KAC BRANDS COMPANY

USA

2535 spring grove avenue cincinnati, oh 45214 513.421.1400 www.kaobrands.com

June 16, 2011

#### VIA FEDERAL EXPRESS

Mr. Carl Brickner
Case Developer, Mail Stop SFD-7-5
U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Brickner.Carl@epa.gov

Re: Request for Information Pursuant to CERCLA Section 104(e); San Fernando Valley Area 2 Superfund Site – Glendale Chromium Operable Unit; Former Andrew Jergens Facility, 99 West Verdugo Ave., Burbank, CA 91502

Dear Mr. Brickner:

This letter and the documents submitted herewith are the response of the Kao Brands Company ("Kao Brands") to a letter, dated April 7, 2011, to Mr. William Gentner, President/CEO of Kao Brands located at 2535 Spring Grove Avenue, Cincinnati, Ohio 45214. On April 19, 2011, you kindly agreed to grant a thirty (30) day extension of time until June 13, 2011 for Kao Brands to submit this response. After finding newly discovered documents, on June 13, 2011, you again kindly agreed to grant a seven (7) extension of time until June 20, 2011 for Kao Brands to submit this response.

On May 22, 1991 Kao Brands sent a 104(e) response letter ("1991 Letter") to a letter from Mr. Jerry Clifford, EPA Region IX. As you requested, Kao Brands will refer EPA to the 1991 Letter where it is appropriate.

Please note that any further information or communication with respect to this matter should be directed to A. Christian Worrell, Graydon Head & Ritchey LLP, 7759 University Drive, Suite A, West Chester, Ohio 45069.



# KAO BRANDS' RESPONSES TO THE UNITED STATES ENVIROMENTAL PROTECTION AGENCY INFORMATION REQUESTS

1. Identify those individuals who provided the knowledge, information and documents used to prepare the response to these questions. Include the full name, current title and duties, as well as past titles and duties, current address and telephone number, and tenure for each individual providing an answer for any of these questions.

Response: Dennis Ward

Global Corporate Counsel Kao Brands Company 2535 Spring Grove Avenue Cincinnati, Ohio 45214 Phone: 513-455-5348

Fax: 512-263-7348

dennis.ward@kaobrands.com

Gary Manning Kao Brands Company 2535 Spring Grove Avenue Cincinnati, Ohio 45214 Phone: 513-455-7917

gary.manning@kaobrands.com

2. Please describe the current and former relationship between Kao Brands Company, The Andrew Jergens Company, and Andrew Jergens Co. ("Jergens"). Please provide the dates and nature of any mergers, acquisitions, assumption of assets, or agreements regarding historical or future liabilities. Also include any contracts, leases or partnerships between the parties listed above and the dates within which these relationships existed. Please provide any documents supporting this description.

Response: On May 25, 1988, the Kao Corporation of Japan purchased the Andrew Jergens Company from American Brands, Inc. In 2004, the Andrew Jergens Company was renamed Kao Brands Company. However, in 2004, there was no change of ownership; it was merely a name change for business purposes.

3. Please identify the owner(s) of the property 99 West Verdugo Avenue, Burbank, California during the period of time that Jergens operated at the Facility.

Response: The Andrews Jergens Company purchased the site at 99 West Verdugo Avenue, Burbank, California, from Carbassemo Products, a maker of laundry soap, in 1921. The Burbank facility ceased operations in November

- 1992. For further information, please refer to the 1991 Letter and documents responsive to Request No. 3.
- 4. Please describe, in detail and in narrative fashion, the cooling systems and cooling towers used at the Facility, and changes to the cooling systems and cooling towers since the beginning of Jergens' operations at the Facility. Your response must include the following for all of the cooling systems and towers used over time at the Facility:

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request or its subparts a-k and m-q.

- a. Provide the dates that the cooling systems were in operation at the Facility;
- b. Provide the dates that cooling towers were in operation at the Facility;
- c. State the year(s) that cooling towers were constructed, and identify the materials of which the towers were constructed (e.g., metal, wood, etc.);
- d. Identify the types of cooling systems and state including whether the cooling systems were "open recirculating cooling systems" or a "closed recirculating cooling system";
- e. Identify the substances which were used in the cooling systems and cooling towers, and mixed with water circulated within the cooling systems and cooling towers, including but not limited to corrosion inhibitors, and provide Material Safety Data Sheets ("MSDSs") for all such substances;
- f. State whether or not chromium and substances containing chromium were ever added to water used in Jergens' cooling systems and cooling towers and identify the names and composition of those substances.
- g. Describe how the substances identified in 4.e and 4.f., above, were added and used in the cooling systems and cooling towers, and identify the locations where such substances were stored at the Facility;
- h. State the quantities and years that the substances identified in 4.e and 4.f., above, were stored and used at the Facility;
- i. If Jergens was required to report the type and quantity of substances identified in 4.e and 4.f., above, to any federal or state agency or entity, provide copies of all such reports;
- j. State whether or not hexavalent chromium or total chromium was ever *detected* in water used in Jergens' cooling systems and cooling towers regardless of your response to question 4.f, above;
- k. If water used in Jergens' cooling system and cooling towers was ever tested for hexavalent chromium or chromium please provide all documentation related to the tests and the results of the tests, including correspondence;
- 1. Provide all maps, drawings, diagrams, plans, blueprints, photographs, and

flow charts related to past and current cooling systems, cooling towers and associated piping showing the location of all cooling towers, percolation pits, dry wells, sumps, underground structures, piping and other wells that were *ever* connected to the cooling systems including but not limited to cooling water blowdown from cooling towers;

Response: Copies of a facility site plan for the Andrew Jergens Co. at 99 West Verdugo, Burbank, CA, dated February 6, 1991, are enclosed. For further information, please refer to the 1991 Letter and drawings of the Facility responsive to Request Nos. 6(b). Specifically, refer to Drawing No. 1814-B and Drawing No. 1825-C.

- m. Describe the waste steams generated by operation of the cooling systems and cooling towers;
- n. State the volume and frequency of the cooling water blowdown discharged from the cooling system, and describe the waste storage methods for the blowdown:
- o. Describe how and where cooling tower purge steam was released from the cooling system;
- p. Provide copies of all analyses for chromium performed on the water *prior* to use in the cooling systems and cooling towers, *during* use in the cooling systems and cooling towers, and *discharged* from the cooling system and cooling towers; and
- q. Provide copies of all analyses for chromium in air emitted from the cooling systems and cooling towers.
- 5. If chromium or any substance containing chromium, including but not limited to potassium dichromate and paint, was utilized in any operations at the Facility, other than the cooling systems and cooling towers, since the beginning of Jergens' operations at the Facility, provide a compete description of those operations. Your response to this question must include the following for each operation identified and described:

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

a. Identity the substance containing chromium and provide all MSDS;

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

b. State the volume of chromium substances containing chromium used per month for each operation identified;

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

c. State the periods of time during which chromium substances containing chromium were used for each operation identified;

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

d. Describe how chromium or chromium-related substances were stored and disposed of for each operation identified;

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

e. Identify the building name or number and location of the buildings that contained each operation identified;

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

f. Provide all maps, drawings, diagrams, plans, blueprints, as-builts, photographs, and flow charts related to the building, the operation, and all piping that was connected to the building;

Response: After performing a diligent search of company records and directing inquiries to company personnel, Kao Brands has no information on whether chromium was used in any of the buildings at the Facility. However, we are providing all maps and drawings of the Facility that are currently in our possession. Please refer to the documents produced in response to request 4(l). For further information, please refer to the 1991 Letter and drawings of the Facility responsive to Request Nos. 2, 6(a), and 6(b).

g. Provide all reports of soil, groundwater, waste water, stormdrain water, and air emission testing at and beneath the building containing the operation identified and all related correspondence, including internal Jergens correspondence, related to the testing and the results; and

Response: A copy of the Andrew Jergens Company Burbank Plant Well Investigation Program (File No. 104.1681) is attached. For further information, please refer to the 1991 Letter and the documents responsive to Request No 7 and No. 11.

h. Describe how waste-water related to these operations was disposed of during the entire period of time the operation occurred.

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

6. Please state the source of water used in Jergens' cooling systems and cooling towers since the beginning of Jergens' operations at the Facility.

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered that all water used at the facility was obtained from the City of Burbank.

7. Please state where water used in Jergens' cooling systems and cooling towers was discharged since the beginning of Jergens' operations at the Facility.

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered that water was discharged to a sewer system.

8. If groundwater was used in Jergens' cooling system and cooling towers, please provide all sampling and testing reports and analytical data from testing of groundwater prior to use in Jergens' cooling system and cooling towers since the beginning of Jergens' operations at the Facility.

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information indicating that groundwater was used in the cooling system and cooling towers.

9. State whether there have been any releases, or suspected releases, of chromium and substances containing chromium, at and from the Facility and provide any documents describing, evidencing or otherwise documenting such releases.

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

10. Identify and provide copies of any documentation of any hazardous waste-related tax paid by Jergens related to any operation from which waste containing chromium was sent to an off-site disposal Facility, and identify the dates upon which you paid such taxes, including but not limited to a description of whether

such tax(es) were local, state or federal and the specific regulations under which you were required to pay the tax(es).

Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

11. List and provide copies of all Federal, State, County, City and all other local permits, licenses, and/or registrations and their respective permit numbers issued concerning the Facility and the storage, use, and discharge of substances containing chromium, including but not limited to permits and correspondence related to Publicly Owned Treatment Works (POTW), Los Angeles County permits and licenses, and California Air Quality Management District permits and licenses. Your response must include all compliance testing results for all waste streams exiting the Facility.

Response: Kao Brands is interpreting this request to mean permits, licenses, and/or registrations concerning the Facility and chromium or substances containing chromium. Kao Brands has discovered no information or permits, licenses, and/or registrations relating to chromium or substances containing chromium. However, it believed that the Facility had the following permits:

- Air ID# 020652
- General Industrial Activities Storm Water Permit
- UST Permit Issued 7/28/1993 No. 19007011586
- EPA ID: CAD982016156
- Hazardous Materials Underground Storage Permit Provisional Permit No. 3144
- 12. List and provide copies of all documents related to warnings, fines, penalties, notices of violation, and notices of non-compliance sent to Jergens by a Federal, State, County, or City agency or office, for the release, potential release, or perceived release of chromium or substances containing chromium.

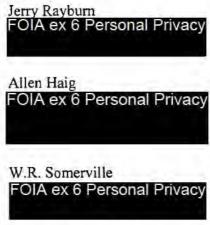
Response: After performing a diligent search of company records and directing inquiries to company personnel most likely to have relevant information, Kao Brands has discovered no information responsive to this request.

13. State whether Jergens has or had a permit or permits issued under the Resource, Conservations and Recovery Act ("RCRA") for the Facility of Facilities. If the answer is "yes," identify all such permits, including but not limited to the dates of issuance and a general description of the process permitted. Provide copies of all such permits.

Response: Yes. For further information, please see the 1991 Letter and documents responsive to Request No. 1.

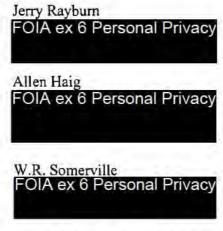
14. Provide the names, addresses and telephone numbers of any individuals, including former and current employees, who may be knowledgeable of Jergens' operations with respect to chromium, and other hazardous substances, waste or pollutant or contaminant handling, storage and disposal practices at the Facility since the beginning of Jergens operations at the Facility.

Response: The following is a list of last known addresses of individual who may be knowledgeable:



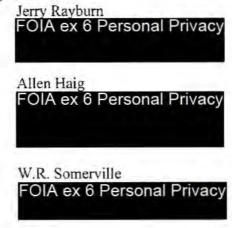
15. Provide the names, addresses and telephone numbers of all individuals, including former and current employees, who may be knowledgeable of the cooling system(s) and cooling towers used at the Facility and all changes to the cooling systems over the period of Jergens' operations at the Facility. Your response must include personnel that regularly maintained and repaired cooling systems at the Facility since the beginning of Jergens' operations at the Facility.

Response: The following is a list of last known addresses of individual who may be knowledgeable:



16. Provide the names, addresses and telephone numbers of all individuals, including former and current employees, who may be knowledgeable of the industrial waste water piping systems, including percolations pits, used since the beginning Jergens' operations at the Facility. Your response must include personnel that regularly maintained and repaired this system.

Response: The following is a list of last known addresses of individual who may be knowledgeable:



This concludes the response of Kao Brands to the foregoing request.

Sincerely,

KAO BRANDS COMPANY

By:

Name:

Titla-

LE BERNALL ALD CONTRAL M. MACCO

UNITED STATES

Enclosures

3189805.1



THE ANDREW JERGENS COMPANY • 99 W. VERDUGO AVENUE • BURBANK, CALIFORNIA 91502

May 7, 1990

David A. Bacharowski California Regional Water Quality Board Los Angeles Region 101 Centre Plaza Drive Monterey Park, CA 91754-2156

Dear Mr. Bacharowski:

Enclosed are four copies of The Andrew Jergens Company proposed workplan as requested in your letter of April 12, 1990 (FILE NO. 104.1681).

If the plan is approved, we will probably use Active Leak Testing to conduct the required work.

If there any questions, please contact myself or Bob Somerville.

Sincerely

Allen W. Haig

Environmental & Safety Engineer

Diesel tank testing mondor well repat includ



THE ANDREW JERGENS COMPANY •99 W. VERDUGO AVENUE • BURBANK, CALIFORNIA 91502

May 07, 1990

W. Harding Drane, Jr. Potter, Anderson, & Corroon Delaware Trust Building P.O. Box 951 Wilmington, Delaware 19899

Dear Harding:

On February 15th, we were inspected by two inspectors from the California Regional Water Quality Board. Their enclosed letter of April 12th for a well investigation program (file no. 104.1681) is a result from this general inspection.

They are primarily concerned that we have no potential ground water pollution. I have already sent them our information on the ethyl alcohol tank leak workplan.

The proposed workplan is enclosed and seems to answer their requirements.

I will keep you informed as this work proceeds.

Concerning the ethyl alcohol work, the tank has been made and we are now waiting for the tank sensors. Since we seem to have all the necessary approvals, this work should begin within a month or two.

Let me know if you have any questions or comments on this.

Yours truly,

Allen W. Haig

Environmental & Safety Engineer

#### Andrew Jergens Company Burbank Plant

### WELL INVESTIGATION PROGRAM (FILE NO. 104.1681)

PROPOSED WORK PLAN

May 7, 1990

#### CONTENTS

#### Work Plan

Appendix 1: Boring Protocol & Test Methods

Appendix 2: Diesel Tank Site Investigation

Appendix 3: Site Drawings

Appendix 4: Waste Water Test Results

WORK PLAN

#### ANDREW JERGENS COMPANY 99 W. VERDUGO AVE. BURBANK, CA 91502

WELL INVESTIGATION PROGRAM (File No. 104.1681) WORKPLAN

#### SITE INFORMATION:

The Andrew Jergens Company purchased this site from Carbassemo Products, a maker of laundry soap, in 1921.

The Andrew Jergens Company has always been in the business of manufacturing bar soap, lotions, and toiletries for the consumer market.

Storage tanks hold ethyl alcohol, tallow, cocoanut oil, brine, 50% NaOH, mineral oil, glycerine, ammonium lauryl sulfate, sodium C14-16 olefin sulfonate, diethanolamide, and diesel fuel. These materials are pumped to designated locations.

All other chemicals are received in drums, bags, or cartons and are stored inside the plant.

We only use safety **solvent** in small quantities. The waste solvent is stored in an assigned and labelled drum and is taken by a hazardous materials firm to be incinerated.

#### FACILITY MAP & BORING LOCATIONS:

A scaled facility map (Appendix 3) of three pages is enclosed indicating:

The location of the three underground diesel oil tanks,
The location of the underground ethyl alcohol tank,
The location of two proposed wells at the clarifier(per your request),

The location of two proposed wells at old boiler sump area (per your request),

The location of one proposed well at the gasoline drum area (per your request).

The dates, in parentheses, indicate when the buildings were built.

#### WORK PLAN:

Per your work plan request of April 12, 1990, the following steps will be taken on approval:

A. The reports on the tank testing and boring results for the three underground diesel oil tanks are enclosed (see: Diesel Tank Site Investigation in Appendix 2). As I showed you on your inspection, we have installed and operate a LeakSensor II vapor monitoring system.

- B. As stated in your letter of April 12, 1990, we have sent you the reports on the **ethyl alcohol tank** investigation and tank replacement. We or our contractor, Active Leak Testing, will keep you informed of the progress and results of this project.
- C. The test borings will be contracted to Active Leak Testing and conducted according to the Board's Site Soils and Geology requirements (see: Soil Boring Protocol section, Appendix 1).

From the Industrial Waste Clarifier, samples will be taken, analyzed, and the results sent to you. Two borings and soil samples will be conducted at this location (see: Plan A-1 in Appendix 3). The clarifier will also be inspected with an inspector present. Enclosed in this report are copies of our analytical test results from the past year of our waste water taken quarterly for a 24 hour sample period and submitted to the City of Burbank (Appendix 4). Also included is a complete 1977 waste water analysis.

Two borings at the **Old Boiler Sump** area will also be taken and the samples analyzed. EPA Method 8080 will be used for detecting PCB's. (See: Plan A-1, Appendix 3, for proposed boring locations). The final locations will be determined with the Regional Board. The active water discharge pipes to this sump will then be re-located and the sump taken out of service.

At the **Gammaline Drum** area, one boring will be made down to 15 feet and the samples at the 5 foot intervals will be analyzed by EPA Method 8015 modified. The proposed boring location is indicated on Plan C-1 (Appendix 3).

## D. North Tank Farm Area;

The history of this tank farm area is based on incomplete files and drawings. The references below correspond to internal company documents.

The first record of this area shows that 5 large tanks are set on individual concrete pads with no dike (ref: Drw 0015-13) in 1941. The tanks were probably installed in 1940, with three of the tanks containing tallow (ref: Equip. Inv. List). The fourth tank probably contained tallow, and the last tank was probably for crude glycerine. These are the usual materials used in making bar soap. A steam condensate line is indicated going into the sewer line in bldg. 10 (see Plan B-1) that connects to the main sewer (ref:Drw 0052-0). See Plan C-1 for #1 tank farm location where these tanks were installed.

A cocoanut oil tank was purchased in 1942 (ref: Equip. Inv. List) and was most likely added to this tank area.

In 1949, there were nine tanks in this tank farm that was still undiked, with each tank on a concrete pad. The contents of each were: 4 tallow tanks (24,000 gal. each)

1 cocoanut oil tank (24,000 gal.)

1 glycerine tank (approx. 18,000 gal.)

1 mineral oil tank (16,000 gal.)

2 tallow tanks (8,000 gal. each)

(ref: Report #80-215, Drw 0120).

In 1954, a 12,000 gal. storage tank for ammonium lauryl sulfate was installed in the #1 tank farm (ref: drw 0122).

Between 1954 and 1960, the 13,200 gal. 50% NaOH storage tank was moved from the cement and sewer drained 1st floor from bldg. #16 (see: Plan A-1). No more tanks have been added to the #1 tank farm.

During this period, the two 8,000 gal. storage tanks were converted to hold mineral oil; in the mid 1960's, they were again converted to hold 50% NaOH.

In 1974, the #1 dike was completely cemented with concrete walls poured to enclose all the tanks, except the 50% NaOH tank. A sump and a drain to the sewer was also installed (ref: drw 1788).

In 1981, this tank farm was extended (see dike #2 on Plan C-1) and eight new 8,000 gal. tanks installed. The 50% NaOH tanks were also diked (ref: drw 1804).

In addition to the above chemicals stored in the north tank area, sodium C14-16 olefin sulfonate and diethanolamide are now also stored there.

Considering the type of chemicals stored in this area, I do not know if the Board considers any of them a possible groundwater hazard. If requested, a boring could be drilled near dike #1.

Let me know if you have any further questions or comments on this report.

Sincerely,

Allen W. Haig

Environmental & Safety Engineer

phone: 818 846-9822

### APPENDIX 1

BORING PROTOCOL & TEST METHODS

#### APPENDIX 1

SOIL BORING PROTOCOL

UNIFIED SOIL CLASSIFICATION SYSTEM

SOIL SAMPLING PROTOCOL

MONITORING WELL CONSTRUCTION PROTOCOL

#### Soil Boring Protocol

The methods Active Leak Testing, Inc. (ALT) practices for soil berings has been reviewed and approved by a State of California Registered Geologist. These practices are followed to insure the integrity of the information supplied by ALT upon completion of investigation.

#### Preparation

- 1. The Underground Service Alert will be informed of the intention to bore at least 48 hours in advance.
- 2. The Project Manager will establish a safety zone in the area of the drill rig by use of traffic barriers, traffic cones or safety tape. No unauthorized person or persons without proper safety equipment shall enter this zone.
- 3. An appropriate diameter hole is cored through the existing concrete or asphalt pavement at the desired boring location.
- 4. The subsurface soil is probed, with a metal rod, to a depth of three to four feet.

#### Borings

- 1. Soil borings are performed by truck mounted drilling rigs utilizing continuous flight 6 to 12 inch hollow stem augers.
- 2. When a subsurface obstacle is encountered within the first five feet of a boring the boring is halted, the auger is removed and the soil is probed for indications of piping or tanks etc. If the nature of the object is undeterminable the boring will be halted and the hole abandoned.
- 3. The project Manager supervises the boring procedure to insure that the soil boring is conducted in a proper manner and that no unnecessary risks are taken.
- 4. The Project Manager supervises the personnel to insure that proper safety equipment is worn at all times when within the safety zone.
- 5. The Project Manager or Geologist maintains a boring log to record descriptions of the lithology penetrated by the boring. All changes in lithology are noted and soil types are described utilizing the Unified Soil Classification System (USCS).

#### Quality Control

- 1. In order to avoid contamination from a previous site, the boring equipment and augers are steam cleaned prior to delivery to the site.
- 2. When multiple borings are required a new set of augers is used for each boring location. If augers need be reused they are washed with Tri-sodium Phosphate (TSP) soap and rinsed with clean water before use.
- 3. All soil brought to the surface during the boring process is placed in DOT 55 gallon drums, covered and taken away for proper disposal.

## Unified Soil Classification System

Major Divisons			Graus Symbo		Soil Description
·		Ciean G2 AVEL	G₩	9	Well Graded Gravel , Sandy GEAVEL, Must have an equal distribution of Fine and Course Gravel.
COARSE	Material Larger	(Loss Then 5% Fines)	G۶	4	Faurly Graded Gravel Sandy GRAVEL. Gop Graded limin or up Flace.
GRAINED		GRAVEL With Fines (Mare Then 13% Fines)	GM		SHy GRAVEL SHIP, Sondy GRAVEL.
SOIL	3.4747		GC		Clayer GRAVEL Clayer, Sendy GRAVEL.
Material Larger	erial Larger in The *200 SAND	Clean SANO Iless then 3% fines?	SW		Well Gradud Send , Gramply SAND, Must have an aqual distribuition of line, medium, and coarse Send.
Than The *200   Sieve)			SP		Poorly Graded Sand , Gravelly SAND, Gap Graded, little or as lines.
		SAND With Fines	SM		SIBy SAND, SBy, Greeny SAND.
		(More Than 17%, fines)	sc		Clayey SAND . Clayey, Grevelly SAND.
		•	ML		Imerganic SiH , Sandy to Chaywy SILF . Low to the pleasicity
FINE	SILT & CLAY (Liquid Limit Less Than 50)		CI.		Inorganic Clay , Sandy or Silty CLAY, Low to Mindrum plasticity,
SOIL			Or		Organic SUT or Organic Sitty CLAY . Law to Madium plasticity
thiere Than 50% Material Smal-			МН		Inorganic SIIT , Micatawas de Distanaturas Sandy SIIT , Electic SIIT , Medium 19 ' Migh planticity ,
ter Than The	SILT & CLAY  *Liquid Limit More Than 501		сн		Inorganic CLAY with High pionicity.
1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			ОН		Organic CLAY & SILT with High planticity.
HIGHLY ORGANIC SOIL			PT		PEAT & arker Highly Organic soils.

## Particle Size Limits

(Siere Openingt in millimeters)	.074 .475	790 411	, 18 g y	30	
		DHAZ	GRAVEL	COBBLES	BOULDERS
SILT & CLAY	Fine A	Medium Coarse	Fine Coarse		
TO S Empreyed Server Sizes !	700 *10			):	*

Note: Boarderline: 4 lassifications may be designated by the use of joinal Symbols to SPISM, CLIMI, etc.

#### Soil Sampling Protocol

The purpose of the soil boring protocol adopted and followed by Active Leak Testing, Inc. (ALT) is to insure the precision and accuracy of the chemical data received when the samples are laboratory analyzed. The methods that ALT practices have been reviewed and approved by a State of California Registered Geologist.

#### Sampling

- 1. During soil boring procedures three 2 1/2 X 6 inch core samples are recovered at 5 foot intervals by use of a split-barrel, modified Porter sampler driven by a 140 pound down hole hammer.
- 2. The soil sampling interval may be varied if contamination or water is encountered or if the boring extends beyond 20 feet.
- 3. When contamination is encountered the boring shall continue to a depth of 10 feet below the last indication of contamination.
- 4. When water is encountered the boring shall continue until the boring has penetrated at least 10 feet into the water bearing layer.
- 5. When a boring is to extend beyond 20 feet the samples will be recovered at 5 foot intervals for the first 20 feet and at 10 foot intervals thereafter.

#### Field Screening

- 1. The uppermost sample, recovered at each sampling interval during the sampling process, is placed in a Whirl-Pak plastic bag for field screening.
- 2. The bag sample is screened for organic vapors with a portable Organic Vapor Analyzer (OVA) for indications of possible soil contamination.
- 3. OVA readings are taken as the samples are recovered and are recorded on the individual boring logs for reference.

#### Quality Control

- The augers and sampling equipment are steam cleaned before delivery to the site.
- 2. The brass sample tubes are laboratory washed with Trisodium Phosphate (TSP) before delivery to the site.
- 3. When the sampler is recovered it is disassembled in a clean working area to avoid cross contamination.
- 4. The lower two sample tubes are immediately capped with teflon or aluminum foil lined plastic caps, taped, labeled, double bagged (plastic) and placed in a chilled storage container for transport.
- 5. The sampler is washed with TSP soap and rinsed with clean water before the next interval sampling.
- 6. The sampler is assembled in a clean working area to avoid contamination.
- 7. Based on the information supplied by field screening, samples, which may have shown signs of contamination, are chosen for laboratory analysis.
- 8. The chosen samples and the required laboratory analysis are properly recorded on a Chain-of-Custody document. This documentation remains with the samples and is passed on to the laboratory representative.
- 9. The soil samples are maintained and transported, in a chilled state, to a State-certified laboratory for chemical analysis usually within 24 hours.

#### MONITORING WELL CONSTRUCTION PROTOCOL

Following the advancement of a boring to proper depth, the boring may be converted into a vadose zone monitoring well. A boring to be converted to a monitoring well is advanced to approximately 1 foot below the intended well completion depth. The augers are disconnected and a 6 inch bentonite seal is gravity fed to the bottom of the boring through the hollow stem auger and hydrated. Pea gravel is then gravity fed through the auger until the appropriate depth for casing emplacement is reached (normally a 6 inch layer).

A clean PVC liner is centered in the boring hole through the auger. The PVC liner is constructed of 2 inch, slotted and plain, schedule 40, flush threaded, NSF PW-rated PVC casing. The upper 5 feet of the well is constructed with plain casing. The remainder of the well is screened section constructed with casing containing .020 inch factory machined slots at .04 inch intervals. The bottom of the casing is closed with a 2 inch diameter, threaded, plug and the top is covered by a removable slip cap. A permanent identification tag is placed at the top of the well casing to prevent misinformation. No solvents or glues are used during well construction, and all casing is either new or steam cleaned prior to installation.

As the auger is removed the remainder of the boring is filled with gravity fed pea gravel to approximately 2 feet below the ground surface. A bentonite surface seal is then placed in the boring around the plain casing to prevent downward migration of fluids. A traffic rated meter box is centered over the well casing and cemented in place. The meter box is installed flush to the existing asphalt or concrete surface. A pictorial representation of a typical monitoring well is provided on the following page.

TRAFFIC RATED METER BOX; WATERTIGHT LID SECURED BY BOLTS NG ASPHALT / CONCRETE SLIP CAP WELL I.D. TAG CONCRETE SEAL BENTONITE SEAL 2" DIA. SCH. 40, PLAIN PYC PIPE SLEEYE (5" MINIMUM) PEA GRAVEL PACK 2" DIA., SCH. 40, SLOTTED PYC PIPE SLEEYE

8" DIA. BORE HOLE

END COYER

6" GRAYEL BASE

3"-6" BENTONITE SEAL

COMPLETED TO A MINIMUM OF 5 FEET PAST THE LAST POINT OF INTEREST, I.E.

TANK BOTTOM PIPELINE



ACTIVE LEAK TESTING, INC. 300 South Beacon St. Suite 120 San Pedro, California 90731

TYPICAL MONITORING WELL

#### 3732 W. Century Blvd. Unit 3 Inglewood, CA 90303

## **DIVERSIFIED ANALYTICAL SERVICES**

Environmental Laboratory

(213) 671-5346 Fax: (213) 671-7216

DIVERSIFIED ANALYTICAL SERVICES SUMMARY OF SERVICES TO BE PROVIDED ACTIVE LEAK TESTING CONTRACT

January 10, 1990

Diversified Analytical Services (DAS) will provide to Active Leak (ALT) support for their routine business activities. support will consist of providing ALT with the resources of the DAS Environmental Laboratory. Presently, DAS is set up to perform the following analyses:

EPA Method 9040 for pH EPA Method 1010 for Flash Point EPA Method 6010 for Heavy Metals EPA Method 7196 for Hexavalent Chromium EPA Method 9010 for Cyanides EPA Method 9030 for Sulfides EPA Method 8010 for Purgeable Halocarbons EPA Method 8015 for Purgeable Non-Halogenated Compounds EPA Method 8020 for Purgeable Aromatics EPA Method 8040 for Phenolic Compounds EPA Method 8060 for Phthalate Esters EPA Method 8080 for Chlorinated Pesticides and PCB's EPA Method 8120 for Chlorinated Hydrocarbons EPA Method 418.1 for Total Recoverable Petroleum Hydrocarbons EPA Method 8015M for Volatile Petroleum Hydrocarbons EPA Method 8015E for Extractable Petroleum Hydrocarbons

Accreditation by the California State Department of Health Services under the Environmental Laboratory Accreditation Program for all of the above methods is expected in February, 1990.

To perform the above analyses, DAS the instrumentation listed below:

Beckman Model 44 pH Meter Pensky-Martens Semi-Automatic Closed Cup Flash Tester Perkin-Elmer Plasma 40 Inductively Coupled Plasma (ICP) Emission Spectrophotometer with Epson Equity III Data System Sequoia-Turner Model 340 Ultraviolet/Visible Spectrophotometer Varian Model 3400 Gas Chromatograph with Flame Ionization and Electron Capture Detectors and a DS-654 Data System Varian Model 3400 Gas Chromatograph with Photoionization and Hall Electrolytic Conductivity Detectors and a DS 654 Data System Tekmar LSC-2000 Purge and Trap Sample Concentrator Foxboro Miran 1-FF Infrared Spectrophotometer

Supporting equipment includes: lab fume hood, digital balance, mechanical shaker, microcomputers with software and printers, copy machine, FAX machine

DAS has cooperative agreements with other environmental laboratories. These labs perform testing which DAS is not equipped to run at this

time. The analyses DAS requests from such labs are run on the following instruments:

Gas Chromatograph/Mass Spectrophotometer Atomic Absorption Spectrophotometer Ion Chromatograph Bomb Calorimeter Electron Microscope

Through the use of these labs, DAS is able to provide its customers with a comprehensive range of services at lower-than-usual prices and turnaround times.

The analytical methods requested by ALT are summarized below with the anticipated sample volume and price per analysis:

Analysis	Anticipated Sample Volume	Price per Sample
EPA 8240	50	\$175
EPA 3270	50	\$325
EPA 3015E	700	\$ 47
EPA 8015M	700	\$ 40
EPA 418.1	750	\$ 43
EPA 413.1	100	\$ 43
EPA - 8020	550	\$ 55
Organic Lead	50	\$ 20

A brief summary of each of the above methods is given below:

EPA Method 8240 - Volatile Compounds by GC/MS: An aliquot of the sample is placed in a purge and trap sample concentrator and subsequently desorbed onto a capillary column installed in a temperature programmed GC. The GC and column separate the compounds in the method and each compound is detected by a mass spectrometer. A computer processes the data and a concentration for each compound is determined.

EPA Method 8270 - Semivolatile Compounds by GC/MS: An aliquot of the sample is extracted with an appropriate solvent (usually methylene chloride). This extract is concentrated using standard K-D subsequently injected onto a capillary column installed in a temperature programmed GC. The GC and column separate compounds in the method and each compound is detected by a mass A computer processes the data and a concentration for spectrometer. each compound is determined.

EPA Method 8015E - Extractable Petroleum Hydrocarbons by GC: An aliquot of the sample is extracted with freon. This extract is concentrated using standard K-D techniques and subsequently injected onto a Megabore column installed in a temperature programmed GC. The GC and column separate the diesel-range petroleum hydrocarbons and these compounds are detected on an FID. A computer processes the data and an aggregate concentration for this range of compounds is determined.

EPA Method 8015M - Volatile Petroleum Hydrocarbons by GC: An aliquot of sample is allowed to equilibrate at 95 deg C for 20 minutes in an enclosed vessel. A portion of the headspace gas in this vessel is collected in a gas-tight syringe and subsequently injected onto a Megabore column installed in a temperature programmed GC. The GC and column separate the gasoline-range petroleum hydrocarbons and these compounds are detected on an FID. A computer processes the data and an aggregate concentration for this range of compounds is determined.

EPA Method 418.1 - Total Recoverable Petroleum Hydrocarbons by IR: An aliquot of sample is extracted with freon. This extract is passed through silica gel and collected in a quartz cuvet and analyzed on an IR set at the appropriate wavelength. The absorbance of IR energy is correlated to a specific concentration of reference oil solution. The value obtained gives an indication of the TPH for the sample.

EPA Method 413.1 - Oil and Grease by IR: An aliquot of sample is extracted with freon. This extract is collected in a quartz cuvet and analyzed on an IR set at the appropriate wavelength. The absorbance of IR energy is correlated to a specific concentration of reference oil solution. The value obtained gives an indication of the Oil & Grease (petroleum hydrocarbons, vegetable oils, animal fats, soaps, and related matter) for the sample.

EPA Method 8020 - Volatile Aromatics by GC: An aliquot of the sample is placed in a purge and trap sample concentrator and subsequently desorbed onto a Megabore column installed in a temperature programmed GC. The GC and column separate the compounds in the method and each compound is detected by PID. A computer processes the data and a concentration for each compound is determined. Only the benzene, toluene, ethylbenzene, and xylenes will be reported for this analysis unless otherwise specified (other compounds are chlorobenzene and 3 isomers of dichlorobenzene).

DOHS Method - Organic Lead by ICP: An aliquot of sample is extracted with xylene. This extract is reacted with 1% Aliquat 336/MIBK on Iodine solution and analyzed on an ICP set for lead.

DAS maintains a comprehensive QA/QC program. Matrix Spikes (MS), Matrix Spike Duplicates (MSD), and blanks are run every twenty samples. Check standards are run daily to insure the integrity of the calibration for a given method and performance samples from third parties are analyzed periodically. All of the above values are scrutinized to make sure the are within the specifications for the given analyte(s). If they are not, sample runs are discontinued and the problem is rectified. All QA/QC data is documented and readily available for review. Outside labs utilized by DAS must follow these same guidelines. Their QA/QC programs are audited before any samples are sent to them.

Additional services provided to ALT under this contract are a turnaround time of five days for all samples submitted. This item may have to be modified depending on the volume of ALT samples coming in over a short period of time. DAS will also provide sample pick-up

DAS carries 1,000,000 general liability insurance to cover its employees, equipment, and office space. DAS also carries Error and Omissions insurance. However, The liability of DAS shall be limited to repeating the analysis of the same or similar samples at no additional cost because there are too many variables relating to the samples that DAS has no control over (i.e. proper sampling methodologies and field contamination).

Upon completion of the analytical report, an invoice will be prepared. The report and invoice will be FAXed to ALT to expedite their operations and billing endeavors. Terms will be net 60 days on all work performed.

Shawn Coleman will be the DAS contact for all technical matters relating to this contract. Regina Coleman will be handling all clerical, administrative and financial matters. Either of these individuals can be contacted at (213) 671-5346 between the hours of 9:00 am and 9:00 pm. If neither party is in the office at the time, ask the receptionist to page them.

Cord ally,

Shawn A. Coleman, Vice-President/

Laboratory Director

### APPENDIX 2

DIESEL TANK SITE INVESTIGATION

SITE INVESTIGATION ANDREW JERGENS CO. BURBANK, CALIFORNIA AREA 2 (DIESEL TANKS) FILE NO. I-11586-3E

#### WILLIAM H. PARK

REGISTERED GEOLOGIST NO. 2271

3040 19TH STREET, SUITE 10 BAKERSFIELD, CALIFORNIA 93301 TELEPHONE (805) 327-9681

July 26, 1988

Mr. Bob McMenamy c/o ESTI Engineering, Inc. P. O. Box 10941 Bakersfield, California 93389

Dear Mr. McMenamy:

On March 7, 1988, eight test holes were drilled at the Andrew Jergens Company manufacturing plant located at 99 West Verdugo Avenue, Burbank, California (see Attachment A). The site is located in the northwest quarter of Section 13 and the northeast quarter of Section 14, T.lN., R.14W., S.B.B.& M.

The following underground storage tanks are located on the property: three 12,000 diesel tanks and one 6,500 gallon ethanol tank (see Attachment B). The test holes were drilled in the vicinity of these storage tanks to determine if soil contamination from product leaks exists and to establish monitoring wells in the test holes.

The investigation of this site is divided into two regions, referred to as Area No. 1 and Area No. 2. Area No. 1 is the location of the ethanol tank and Area No. 2 is the location of the three diesel tanks (see Attachment C). This report deals with Area No. 2.

Six test holes were drilled at Area No. 2 and completed as monitoring wells. These test holes are designated M.W. Nos. 3 through 8. M.W. Nos. 3 through 6 were drilled around the diesel tank cluster and M.W. Nos. 7 and 8 were drilled near

Mr. Bob McMenamy c/o ESTI Engineering, Inc. July 26, 1988 Page 2

the product lines (see Attachment D). Surface equipment and underground piping at Area No. 2 prevented drilling to the northwest and northeast of the tank cluster. The locations of M.W. Nos. 7 and 8 were similarly constrained.

M. N. Nos. 3 through 6 were drilled to a depth of 20 feet each and M.W. Nos. 7 and 8 were drilled to a depth of 7 feet each. Soil samples were collected at 5 foot intervals starting at a depth of 5 feet from M.W. Nos. 3 through 6. Soil samples were collected at a depth of 7 feet from M.W. Nos. 7 and 8. Selected samples were transported on ice to a state certified laboratory and analyzed for B.T.X. and T.P.H. diesel.

The following soil samples were submitted for analyses:
M.W. No. 3 - 20 feet, M.W. No. 4 - 15 feet, M.W. No. 5 - 20
feet, M.W. No. 6 - 15 feet, M.W. No. 7 - 7 feet, and
M.W. No. 8 - 7 feet. No B.T.X. or T.P.H. diesel was detected
in any of these samples. Also, field screening did not
indicate the presence of diesel contamination in any of the
soul samples. Attachment E lists the results of the chemical
analyses and includes the chain of custody record. Attachment
F shows the logs of the test holes.

All six of the test holes were completed as monitoring wells. The holes were completed using 2-inch diameter PVC casing which was packed with sand around the slotted intervals and sealed with bentonite and concrete. Attachment G displays schematic diagrams of the monitoring wells.

Based on the results of this investigation, no significant diesel contamination exists in the soil beneath Area No. 2 and no mitigation measures are deemed necessary.

Mr. Bob McMenamy c/o ESTI Engineering, Inc. July 26, 1988 Page 3

If you have any questions or if we can be of further service, please feel free to call.

No. 3584

No. 3584

Yours truly,

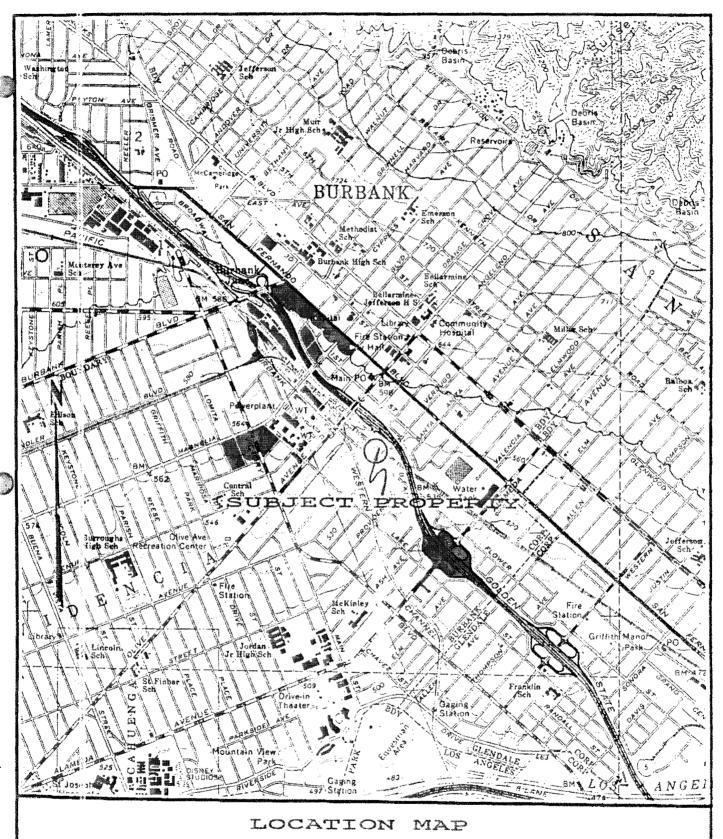
Duane R. Smith

Registered Geologist

State of California No. 3584

Thomas F. Gutcher Assistant Geologist

DRS/TFG/jk



ANDREW JERGENS COMPANY
99 WEST VERDUGO AVENUE
BURBANK, CALIFORNIA

SCALE: 1" = 2000'

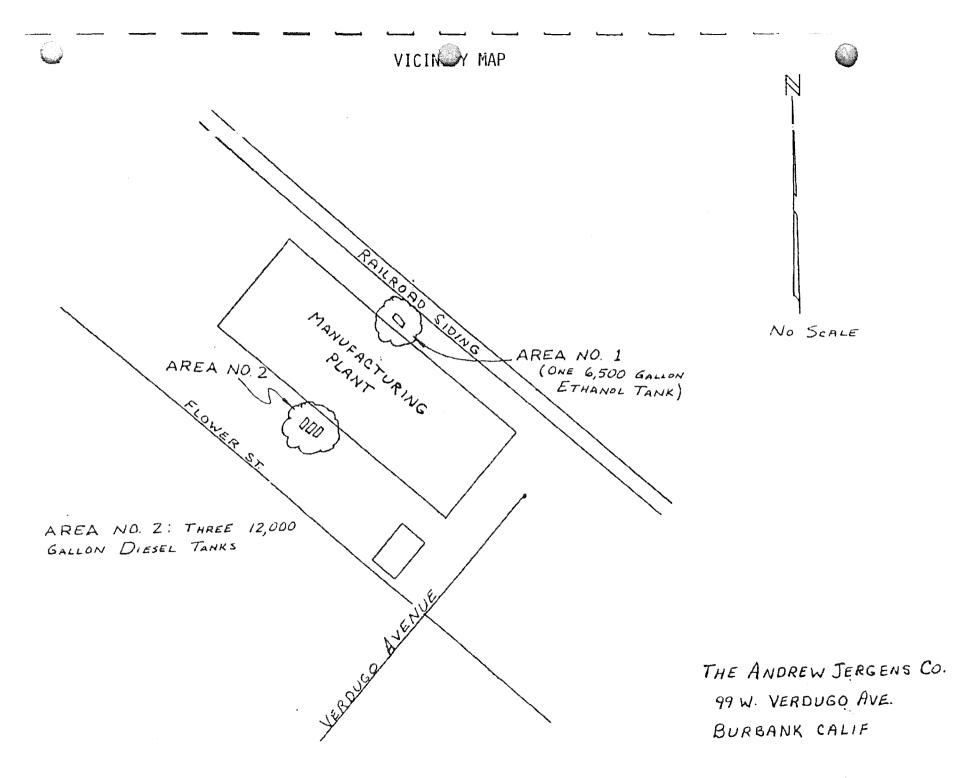
Source of Base Map: U.S.G.S. Burbank 72 Minute Quadrangle, 1972.

#### ANDREW JERGENS CO.

#### UNDERGROUND TANK SUMMARY

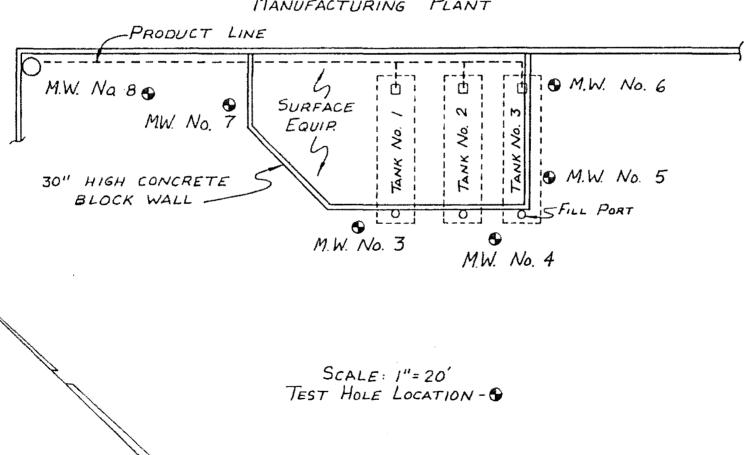
	Tank #	Size (Gal)	Age (Yrs)	Type of Tank	Present Contents	Past Contents	Pump Type	Usage	Through-Put Gal/Week
	(1	12,000	13	Steel	Diesel	Same	Turbine	Stdby Fuel	(1)
Area No. 2	\frac{2}{2}	12,000	. 9	Steel	Diesel	Same	Turbine	Stdby Fuel	(1)
	(3	12,000	9	Steel	Diesel	Same	Turbine	Stdby Fuel	(1)
Area No. 1	{4	6,500	N/A	Steel	Ethanol	Same	Suction	Manufacturin	g 1,500

- (1) Historic usage twice yearly, 16 hour duration, total 5,000 gallons/year.
- \* The tanks have no secondary containment or leak detection system at present.
- \* The tanks have no cathodic system at present.
- \* There have been no suspected or detected leaks in Tanks 1, 2, or 4 or the related piping.
- \* The 6,500 gallon ethanol tank has reportedly been in place since at least 1945.



## SITE MAP - AREA NO. 2 ANDREW JERGENS COMPANY

MANUFACTURING PLANT



)

W. H. PARK AND ASSOCIATES - JULY 1988

AUNICULTURE

CHEMICAL & NALYSIS PETAOLEUM

J. J. EGLIN, REG. CHEM. ENGR.

Date of

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Report: 15-Mar-88

#### Purgeable Aromatics (SOIL)

E.S.T.I. ENGINEERING

P.O. BOX 10941

BAKERSFIELD, CA. 93389 Attention: TIM BROWN

Lab No.: 1813-1

Sample Desc.: A. JERGENS CO. BURBANK

MW #3 @201

DATE SAMPLE

DATE SAMPLE

RECEIVED @ LAB: COLLECTED: )9-Mar-88

09-Mar-88

DATE ANALYSIS

COMPLETED:

14-Mar-88

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
3enzene	ug/g	None Detected	0.10
'l'oluene	ug/g	None Detected	0.10
Sthyl Benzene	ug/g	None Detected	0.10
>-Xylene	ug/g	None Detected	0.10
n-Xylene	ug/g	None Detected	0.10
o-Xylene (sopropyl	ug/g	None Detected	0.10
Benzene Petroleum	ug/g	None Detected	0.10
lydrocarbons	ug/g	None Detected	10.00
'otal Pet.			
lydrocarbons	ug/g	None Detected	0.10

EST METHOD: California State D.O.H.S. T.P.H. for Diesel Dry Matter Basis

'omments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

"OTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

Chemist



J. J. EGLIN, REG. CHEM. ENGR.

Date of

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Report: 15-Mar-88

#### Purgeable Aromatics (SOIL)

E.S.T.I. ENGINEERING

P.O. BOX 10941

BAKERSFIELD, CA. 93389

Attention: TIM BROWN

Lab No.: 1813-2

Sample Desc.: A. JERGENS CO. BURBANK

MW #4 @15"

DATE SAMPLE

COLLECTED: 09-Mar-88

DATE SAMPLE

RECEIVED @ LAB:

09-Mar-88

DATE ANALYSIS

COMPLETED: 14-Mar-88

	Reporting	Analysis	Minimum Reporting
Constituent	Units	Results	Level
Benzene	ug/g	None Detected	0.10
Toluene	ug/g	None Detected	0.10
Ethyl Benzene	ug/g	None Detected	0.10
p-Xylene	ug/g	None Detected	0.10
m-Xylene	ug/g	None Detected	0.10
o-Xylene Isopropyl	ug/g	None Detected	0.10
Benzene Petroleum	ug/g	None Detected	0.10
Hydrocarbons	ug/g	None Detected	10.00
Total Pet. Hydrocarbons	ug/g	None Detected	0.10

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel Dry Matter Basis

#### Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

Chemist



J. J. EGLIN, REG. CHEM. ENGR.

Date of

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Report: 15-Mar-88

#### Purgeable Aromatics (SOIL)

E S.T.I. ENGINEERING

P O. BOX 10941

EAKERSFIELD, CA. 93389

Autention: TIM BROWN

Lab No.: 1813-3

Sample Desc.: A. JERGENS CO. BURBANK

MW #5 @20'

TATE SAMPLE

DATE SAMPLE

DATE ANALYSIS

COLLECTED:

RECEIVED @ LAB:

COMPLETED:

( 3-Mar-88

09-Mar-88

14-Mar-88

('onstituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	None Detected	0.10
Moluene	ug/g	None Detected	0.10
Ethyl Benzene	ug/g	None Detected	0.10
p-Xylene	ug/g	None Detected	0.10
r:-Xylene	ug/g	None Detected	0.10
c-Xylene Ssopropyl	ug/g	None Detected	0.10
Benzene Fetroleum	ug/g	None Detected	0.10
Hydrocarbons	ug/g	None Detected	10.00
'otal Pet.			
llydrocarbons	ug/g	None Detected	0.10

"EST METHOD: California State D.O.H.S. T.P.H. for Diesel

Try Matter Basis

#### Comments:

FETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by The California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

"OTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinsted] constituents on this report.

Robert Plaisance Chemist

## Purgeable Aromatics (SOIL)

E.S.T.I. ENGINEERING

P.O. BOX 10941

BAKERSFIELD, CA. 93389

Attention: TIM BROWN

Lab No.: 1813-4

Sample Desc.: A. JERGENS CO. BURBANK

MW #6 @15"

DATE SAMPLE

COLLECTED: 09-Mar-88 DATE SAMPLE

RECEIVED @ LAB:

09-Mar-88

Date of

Report: 15-Mar-88

DATE ANALYSIS

COMPLETED: 14-Mar-88

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	None Detected	0.10
Toluene	ug/g	None Detected	0.10
Ethyl Penzene	ug/g	None Detected	0.10
p-Xylene	ug/g	None Detected	0.10
m-Xylene	ug/g	None Detected	0.10
o-Xylene Isopropyl	ng/g	None Detected	0.10
Benzene Petroleum	ug/g	None Detected	0.10
Hydrocarbons	ug/g	None Detected	10.00
Total Pet. Hydrocarbons	ug/g	None Detected	0.10

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel

Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorin-ated] constituents on this report.

By G. of Egliffin

Robert Plaisance Chemist AGRICULTURE

CHEMICAL AMALYSIS

PETROLEUM



J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Report: 15-Mar-88

#### Purgeable Aromatics (SOIL)

C.S.T.I. ENGINEERING

9.0. BOX 10941

PAKERSFIELD, CA. 93389

ittention: TIM BROWN

lab No.: 1813-5

Cample Desc.: A. JERGENS CO. BURBANK

MW #7 @7"

MATE SAMPLE

DATE SAMPLE

DATE ANALYSIS

XOLLECTED:

RECEIVED @ LAB:

COMPLETED:

9-Mar-88

09-Mar-88

14-Mar-88

Date of

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Penzene	ug/g	None Detected	0.10
l'oluene	ug/g	None Detected	0.10
Sthyl Benzene	ug/g	None Detected	0.10
p-Xylene	ug/g	None Detected	0.10
:::-Xylene	ug/g	None Detected	0.10
-Xylene  sopropyl	ug/g	None Detected	0.10
Tenzene Tetroleum	ug/g	None Detected	0.10
Fydrocarbons	ug/g	None Detected	10.00
"lotal Pet.			
ydrocarbons	ug/g	None Detected	0.10

"EST METHOD: California State D.O.H.S. T.P.H. for Diesel

Try Matter Basis

(omments:

1-ETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCAREONS: The sum total of all [non-chlorinated] constituents on this report.

Chemist

## LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

## Purgeable Aromatics (SOIL)

E.S.T.I. ENGINEERING

P.O. BOX 10941

BAKERSFIELD, CA. 93389

Attention: TIM BROWN

Lab No.: 1813-6

Sample Desc.: A. JERGENS CO. BURBANK

MW #8 @7'

DATE SAMPLE

COLLECTED: 09-Mar-88 DATE SAMPLE

RECEIVED @ LAB:

09-Mar-88

Date of

Report: 15-Mar-88

DATE ANALYSIS

COMPLETED: 14-Mar-88

Minimum Reporting Analysis Reporting Units Constituent Results Level Benzene ug/g None Detected 0.10 None Detected Toluene ug/g 0.10 Ethyl Penzene None Detected 0.10 ug/g p-Xylene None Detected ng/g 0.10m-Xylerie None Detected 0.10 ug/g None Detected o-Xylene ug/g 0.10Isopropyl Benzene ug/g None Detected 0.10 Petroleum Hydrocarbons ug/g None Detected 10.00 Total Pet. Hydrocarbons ug/g None Detected 0.10

TEST METHOD: California State D.O.H.S. T.P.H. for Diesel

Dry Matter Basis

Comments:

PETROLEUM HYDROCARBONS: Quantification of volatile hydrocarbons present (C1 to C30) utilizing a diesel factor. As outlined by the California D.O.H.S. These petroleum hydrocarbons are in addition to the constituents specifically defined on this report.

TOTAL PETROLEUM HYDROCARBONS: The sum total of all [non-chlorinated] constituents on this report.

By J. J. Eglin

Robert Plaisance Chemist

Bill to E 57	1- Job# 87		HO. PROJECT NAME	
Location of Sampling:			Verdugo.	Burhank
Collector Tom G	utcher DE	te Sampled 3/7	/88 Time _ /2.	M, hours
Address 3040 number			-	93301
Telephone (805)32		*		210
Container Type SAMI	LE NO. SAM	E OF PLE*	FIELD INFORMATIO	)×××
brass ring mi	N#3 50	01/ 15'		
brass ring Mi		oil 20'	annen magettelleria adulleria oliva mise in el territoria della della capata della della capata della della ca	SAMES AND SECURITY AND ADMINISTRATION OF A AND ALL ALL ALL AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION A
AND THE PERSON NAMED IN TH		oil 15'		
MATERIAL SAMPLE	soil nea	r 3-12,00	Ogallon di	esel tanks
DEPTH 15 - 20	2 ' METH	OD OF SAMPLING	split sp	OREHOLE, ETC.)
Analysis Requested				
Test Mel nod EP /	4 8015	per client	s propos	al
Preservation me	thoôs:	ceep colo	d until a	naly zed
	her sample is so age for addition.	· · · · · ·	lative to sample	location
Sample Neceiver:	,	•	•	
1. 13 C. C	aborato.	nization receivis	ng sample	
contact	t: Mr. Bla	ir Burges	s, Count	y of L.A. 41813 -1
	Waste M	anagement	Division	3 #181, 1/4cm
Water State of Management of the Control of the Con	1430 HT	catar st.	C. M. 1003	<u></u>
Chain of Posses	sion:		<i>:</i>	
1. Jom Mu Signature	the Ge	ologist	3/7/88-	3/8/88
2. Joan Mosignature	ttely	itle	3-8-88 inclusive date	e 5
3.	The state of the s	+4 + 1 a	ton) in the day	, introductional Region

Bill to ESTI-Job #87148 PHOLING, PROJECT HAIME
CHAIR OF CUSTODY RECORD - SAMPLE ANALYSIS REQUEST
Location of Sampling: A. Jergens Co., 99 W. Verdingo, Burbank
Collector Tom Gutcher Date Sampled 3/7/88 Time p.M. hours
Dillistion of Sappler W. H. Park and Associates
Address 3040 19th St. Bakersfield, CA 93301  number street city state zip
Telephone (805) 327-968/ Company Contact /om
Quantity COLLECTOR'S TYPE OF
Container Type SAMPLE NO. SAMPLE* FIELD INFORMATION**
brassring MW#7 soil 7' brassring MW#8 soil 7'
brass ring MW#8 soil 7'
MATERIAL SAMPLED Soil near diesel product transfer lines
DEPTH 7' METHOD OF SAMPLING SPlit Spoon
DEPTH 7' METHOD OF SAMPLING Split Spoon (THIEF, COREHOLE, ETC.)
Amalysis Requested
Test Method EPA 8015 per clients proposal
Preservation methods: keep cold until analyzed
* Indicate whether sample is soil, sludge, etc.
** Use back of page for additional information relative to sample location
Sample Receiver:
1. B. C. Laboratories  name and address of organization receiving sample
contact: Mr. Blair Burgess, L.A. County Waste Management Division  1450 Alcotor St. 1.A. 90033
Waste Management Division
1450 Alcazar St., L.A. 90033
Chain of Possession:
1 1 Jan Mutal Goodsaist 3/7/88-3/8/88
1. Jam Mutel Geologist 3/7/88-3/8/88 signature title inclusive dates
2. Jean Malthy 3-8-88 inclusive dates
3.

cionstura

				LOG	OF TEST HOLE
• • • • • • • • • • • • • • • • • • •	Lithologic Column	Sample Depths	Meter Reading (ppm)	Total Petroleum Hydrocarbons ppm gasoline	W. H. PARK AND ASSOCIATES  LOCATION: Andrew Jergens Co., Burbank TEST HOLE IDENTIFICATION: M.W. No. 3  DATE DRILLED: 03/07/88 ELEVATION: 550±' RIG TYPE: 6" Hollow Stem Flight Auger  Lithologic Description
25 Depth 0 (feet) 1		* * *	0	None Detected	Sand, brown, silty, very fine to very coarse grained, loose, moist, no odor.  No odor.  Silt, dark brown, sandy, fine grained, poorly indurated, moist, no odor.  Sand, brown, silty, very fine to very coarse grained, gravel and cobbles abundant, poorly indurated, moist, no odor.
				The state of the s	
40	r.D.	<del>- 2</del>	0'	<u> </u>	- Sample Location 😟 - Sample Analyzed

						OF TEST HOLE
	0 -	Lithologic Column	Sample Depths	Meter Reading (ppm)	Total Petroleum Hydrocarbons ppm gasoline X ppm diesel	W. H. PARK AND ASSOCIATES  LOCATION: Andrew Jergens Co., Burbank TEST HOLE IDENTIFICATION: M.W. No. 4  DATE DRILLED: 03/07/88 ELEVATION: 550±' RIG TYPE: 6" Hollow Stem Flight Auger  Lithologic Description
	~					
	5 -		*	0		Sand, brown, silty, fine to coarse grained, poorly indurated, moist, no odor.
	10 -		*	0		Sand, tan, fine to medium grained, loose, no odor.
	feet) 51		*	0	None Detected	Silt, brown, sandy, fine to coarse grained, poorly indurated, moist, no odor.
	20 -		*	trace		Fine grained, no odor.
	c Depth					
	30 -					
	35 -				-	
	40 -					
Carrotte Co.		T.D.	- 2	20'	1	* - Sample Location 🏵 - Sample Analyzed

					OF TEST HOLE
	Column	Sample Depths	Meter Reading (ppm)	Total Petroleum Hydrocarbons ppm gasoline	W. H. PARK AND ASSOCIATES  LOCATION: Andrew Jergens Co., Burbank TEST HOLE IDENTIFICATION: M.W. No. 5  DATE DRILLED: 03/07/88 ELEVATION: 550±' RIG TYPE: 6" Hollow Stem Flight Auger  Lithologic Description
0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		* * *	0	None Detected	Silt, dark brown, sandy, fine to coarse grained, poorly indurated, moist, no odor.  Sand, brown, silty, fine to very coarse grained, gravel abundant, poorly indurated, moist, no odor.  Gravel absent, no odor.  No odor.
40 -	.D.	- 2	0'		* - Sample Location 😟 - Sample Analyzed

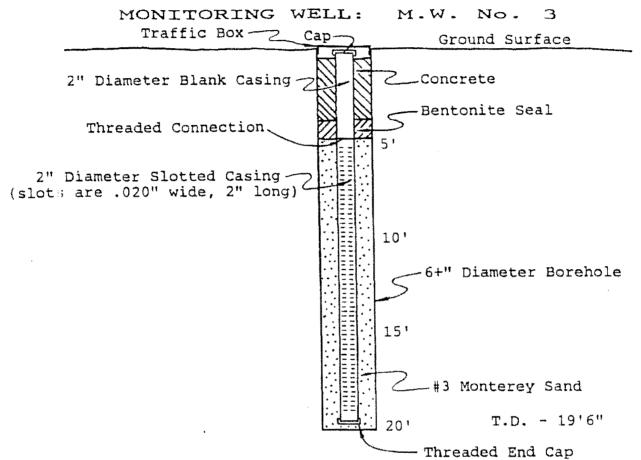
W. H. PARK AND ASSOCIATES  LETTING TO THE SECONDARY MAN TO THE SEC	î					OF TEST HOLE
Silt, dark brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor.  Sand, brown, silty, fine to coarse grained, poorly indurated, moist, no odor.  None Detected  Fine to very coarse grained, no odor.  No odor.	0 -	Lithologic Column		Meter Reading (ppm)	Total Petroleum Hydrocarbons ppm gasoline	LOCATION: Andrew Jergens Co., Burbank TEST HOLE IDENTIFICATION: M.W. No. 6 DATE DRILLED: 03/07/88 ELEVATION: 550±' RIG TYPE: 6" Hollow Stem Flight Auger
1 25 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 3	5 - 10 - 15 - 15 - 1		*	0	X	Silt, dark brown, sandy, fine to medium grained, gravel rare, poorly indurated, moist, no odor.  Sand, brown, silty, fine to coarse grained, poorly indurated, moist, no odor.
40 -	2 0 2 Depth		*	0		No odor.

	* ************************************			LOG	OF TEST HOLE
<b>}</b>	Lithelegia Column	Sample Depths	Meter Reading (ppm)	Total Petroleum Hydrocarbons ppm gasoline	W. H. PARK AND ASSOCIATES  LOCATION: Andrew Jergens Co., Burbank TEST HOLE IDENTIFICATION: M.W. No. 7  DATE DRILLED: 03/07/88 ELEVATION: 550±' RIG TYPE: 6" Hollow Stem Flight Auger  Lithologic Description
5 10 - 15 20 Upopth 25 30 - 35 - 30 - 35 - 35 - 35 - 35 - 35		* * *		None Detected	Sand, orange, brown, and grey, silty, fine to coarse grained, gravel abundant, mottled coloration, poorly indurated, moist, no odor.  Sand, tan, fine to medium grained, loose, no odor.
	T.D.	-	71		* - Sample Location ③ - Sample Analyzed

				LOG	OF TEST HOLE
	Lithologic Column	Sample Depths	Meter Reading (ppm)	Total Petroleum Hydrocarbons ppm gasoline	W. H. PARK AND ASSOCIATES  LOCATION: Andrew Jergens Co., Burbank TEST HOLE IDENTIFICATION: M.W. No. 8  DATE DRILLED: 03/07/88 ELEVATION: 550±' RIG TYPE: 6" Hollow Stem Flight Auger  Lithologic Description
5 10 15 (feet) 1 30 35 35		(♦)	0	None Detected	Sand, tam, fine to very coarse grained, loose, no odor.
40	T.D.	- 7			- Sample Location → Sample Analyzed

## SCHEMATIC DIAGRAM OF MONITORING WELL ANDREW JERGENS COMPANY

BURBANK, CALIFORNIA



#### SCHEMATIC DIAGRAM OF MONITORING WELL

ANDREW JERGENS COMPANY
BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 4

Traffic Box Cap Ground Surface

2" Diameter Blank Casing Concrete

Threaded Connection Strice

2" Diameter Slotted Casing (slots are .020" wide, 2" long)

6+" Diameter Borehole

10'

#3 Monterey Sand

Threaded End Cap

## ANDREW JERGENS COMPANY BURBANK, CALIFORNIA MONITORING WELL: M.W. No. 5 Traffic Box \_ \_ Cap \_ Ground Surface 2" Diameter Blank Casing 2\_Concrete -Bentonite Seal Threaded Connection -(slots are .020" wide, 2" long) 2" Diameter Slotted Casing --6+" Diameter Borehole 10' 15' \_#3 Monterey Sand 20' T.D. - 20'1"

SCHEMATIC DIAGRAM OF MONITORING WELL

SCALE: Vertical 1" = 5' Horizontal 1" = 10"

VI. H. PARK AND ASSOCIATES - JULY 1988

- Threaded End Cap

\* Harmandar A

## SCHEMATIC DIAGRAM OF MONITORING WELL ANDREW JERGENS COMPANY BURBANK, CALIFORNIA MONITORING WELL: M.W. No. 6 Traffic Box \_ Cap-Ground Surface 2" Diameter Blank Casing 2\_Concrete -Bentonite Seal Threaded Connection-2" Diameter Slotted Casing (slots are .020" wide, 2" long) 6+" Diameter Borehole 10' 15' . \_\_\_#3 Monterey Sand T.D. - 20'4"

SCALE: Vertical 1" = 5' Horizontal 1" = 10"
W. H. PARK AND ASSOCIATES - JULY 1988

- Threaded End Cap

\_

#### SCHEMATIC DIAGRAM OF MONITORING WELL

## ANDREW JERGENS COMPANY BURBANK, CALIFORNIA

MONITORING WELL: M.W. No. 7

Traffic Box Cap Ground Surface

2" Diameter Blank Casing Bentonite Seal

Threaded Connection 6+" Diameter Borehole

2" Diameter Slotted Casing \$\frac{1}{5}\$ & #3 Monterey Sand \$\frac{1}{5}\$ & T.D. - 7'

-Threaded End Cap

MONITORING WELL: M.W. No. 8

Traffic Box Cap Ground Surface

2" Diameter Blank Casing Bentonite Seal

Threaded Connection 6+" Diameter Borehole

2" Diameter Slotted Casing #3 Monterey Sand T.D. - 7'

(slots are .020" wide, 2" long) Threaded End Cap

SCALE: Vertical 1" = 5' Horizontal 1" = 10"
W. H. PARK AND ASSOCIATES - JULY 1988

# Data Chart for lank System Lightness lest petro Tite

HEART PRINT

1.	OWNER Property	aryern.	Jegal C	Addiess		Bupbont	(C)
	- Tank(s) 🖳	Name		Address	Ra	Dissaulative	, Telephone
2.	OPERATOR		-				
,,,		Name		Address			Telephone
3.	REASON FOR TEST				www.xxxx.com/site-ty-sys/wite/e-tilling.com/y/	······································	, , , , , , , , , , , , , , , , , , ,
	(Explain Fully)						
4.	WHO REQUESTED	Name		Title		or Affiliation	Date
	TEST AND WHEN			Addiess			Telephone
		A STATE OF THE STA		**************************************	accompany and a street of the		
5.	WHO IS PAYING FOR THIS TEST?	Campany, Agency or Ind	ividu <b>a</b> l .	Person Authorizing	error and a second seco	True	Telephone
		Billing Address		City		Siste	Zip
		Attention of: Identify by Direction	Capacity	Dider No. Brand/Supplier	Grade /	Approx. Age	Steel/F/Serglass
6.	TANK(S) INVOLVED	#2 destata	13000		Full oil		15/25/2
		世4	6500		alcohol		12/25/-
			~ **				
		Location ( ; ; ;	Cpver-	Fills	l'ents •	Siphones	Pumps , /
7.	INSTALLATION	togation of brief	ETT	P3=4"	57	No	to harricket
	DATA .	F4 Braind bldg.	₿/T	Pt/= 2"	<i>y</i>		#4 suction
ী		North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titelill make, Diop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known
8.	UNDERGROUND		. 20'	<i>4</i> • .		Is the water ove	
	WATER .	Depth to the Water fat			water of to the teachers	Yes	<u>M</u> 110
9.	FILL-UP	Tanks to be filled 0.6		Date	Andrew Andrews and the second	Name	î c¹ephon•
	ARRANGEMENTS	Extra product to "top o	off and run ISTT. Hi	ow and who to provide?	Consider NO Lead.		,
		Terminal or other cont for natice or inquiry	act				4 .
			Compa	-		Neme	Teleanons
10	CONTRACTOR.	ESTI ENGI P. O. Box	NEERING, IN	IC			And the second s
	MECHANICS,	Bakersfield	d, CA 93389	- 0941			
	involved				that an over-more determinate to additional annual make		
11	OTHER		*		And the second s		
	INFORMATION OR REMARKS						
		during lest etc.	on any nems above. Ul	licials or others to be az.	tra tra saint	rogress or completed	Visitors or observers presi
19174			i the above tank systems detailed on attached	ms in accordance >	r resc	ribed for petro TI	<u>e</u>
12	L TEST RESULTS	Tral Identification	, , Tight	Leakago	*	Da	(e Tested
		The state of the s	[m] 1/65			<del></del>	
		=4	<del>  / - '</del>		- I The second s		22
. 1991-		STATE OF THE PROPERTY OF THE P					
)					The state of the s		*
3	3. CERTIFICATION	This is to certify that the Hational Fire Pr	t these tank systems wortection Asociation Pa	vere tested on the data amphlet 329,	a) manut me Indic	ated as "Tight" meet	the criteria established
1	7-27-57	<b>4</b> "	Acches			INC. Luca	Mollar
	174/		general reconstruction of the second	P. O. 3a	x 1094 3ke	rsfield, CA	93389-0941
	f f had f		***************************************		W N1. 444404 -14440 1444 11		

	14	111111	c C		سیا می درو پیستانها	And a mark 2 o	<u>~ ~ ~ </u>	····	S Com		<u> </u>			F-04
77	16	ANK TO TEST	,	1.	CAPACI	ΙŢ					**************************************	1		
<u>ኝ</u>	- <u> </u>	1 Tana			_	1	500	3,	col occur <del>re</del> City chart sudda	. /2	10	-	on Charl Manufactures a C	Next
3	15	-	17 1-1-1-1-1	No-	rinus Caşıa	cay	Campa	_ £spa	eny chan suddi	G =		- 급	com Ingresses	Date
4		alea	hol	ł			APACHY) [] HO TANK CAPA	ca <b>rr</b>				Chan	ts supplied with [	न्। १० गोर
<b>7</b>	***************************************			<u> </u>								7		
-	17.	TILL-UP FOR TES	T S								Silica Arad to thin		a B-seng	Total Gallord
		Selections C		$\subseteq$					line et e	,	FUEL		-	6710
			sa W lat.	G	ations					•	WATE	ER		<u>4</u>
	FMI	STICK BEFORE A	AND AFTER EACH COMPA	LATMENT	t DROP (	R EACH B	ETERED DELIVE	AY GUARTITY			TOP	OFF		4.10
	Tanà	3- across tent	96					Product in lu	ž tank (up la f	HS pipe)			,	<u> </u>
	18.	FECIAL CONDIT	IONS AND PROCEDURE	S 10 T	EST TH	S TANK	OBS A	PI Gra	ivity 汐	9.0Te	mp.	Y VAPO	A RECOVERY	SYSTEM
	5∞# t	regal sections applied	cable. Check below and reco	rd juck ad	une un leig	<b>(78)</b> .	Corr.	API-Gr	avity				two-t	
	***************************************	Weter in Luris	Migh well sobb	e in tank		•• <u> </u>	Line(s) teing (s			47.7		[] 5·	tage d	and the second s
	19.	TANK MEASURE	MENTS FOR			1	TEMPERATU					eron Truck *	& Expedied Chang	pet ser )
		ISIT ASSEMBL		//	1					1-12	_	. /	·	
	non	" Add 30" !w	et			. 12	Thermal-Sen	sof lesdung at	PROPINITION S VIII			76/7	-£-'Ŧ	
	_		I'L or sir soul	ه <del>) این نودر</del>	<u>/</u> //>	." 23	Olgils per "F	In renge of a	pected change	, <u>, , , , , , , , , , , , , , , , , , </u>	<i>y</i>	-		
	***************************************	· · · · · · · · · · · · · · · · · · ·	Approximate		. 374	24		20	x.0	005	127	<u>.3/5</u>	range in this ten	346/s
	Tank			-2	<u> </u>	_"	tutal quantity full tank (18	y 30 Cu 17)	love	licient of sape lived product	snakon for	per 7		
	f ma balan	. E BUÇDE KAR BURÜNÜR END C 1879: SORF	us \$" ox more		3	." 25	3,5	365	344	<u> </u>	/	- 0	110175	This wa
	*11.7		grade, usa top of f.A.			1		ge per 'F (24)	Digi	ls per F in to ye (23)	at .	Volume c	hange per digit.	
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-17	1.			29.	1:44	(CHIRDA (p.pa Land	32.	-ct 4	Pining	35.	36.	37.	Tampustus	Days mark
ľ		Record details ul and running text	L (Use luii L (Use luii	1ag		- !46.007	2140	esta	Paginad (**)	Thermal Sense	Despar Highware Tanan m	Ermantation (c) = (a) = Experience	Adjustment  90-14 Mouse facultiness (c) (a)	land to be writing
,		មែលដ្ឋាន <b>នៅ</b> នៃ៣ មី	erese <b>t.)</b>		Trains	****	Esfara Fradring	Litzer Pandweg	Preduct Macamana (+)	Easting	jel	Castertan -	Contracent )	State to god
	A varais	a test lo	ration		1		1		***************************************	1				
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寸	Pumi	primed	& running											
Ť				1	1									
	1st S	ansor Re	<u>eadina</u>		1	42.0				220			<u> </u>	
. ]	Start	Hi level	test				1.300							
	Cont	nued Hi	level test	12	1-2.	42.0	700	(1010)	1030	316	† 3	T	1-010R	
<u>. 1</u>		- Andrews - Market - Andrews - Andre					1140					For	1-069	
4	·····			14	1/20	42.0	وخجل	0.11.1				100	0.00	<u> </u>
			the second section of the section of the second section of the section of the second section of the sect	15	1-66	<u> 42.0</u>	146	1450	<u> </u>	916	1. 1	tou	-051	<u> </u>
_			and the second s	<u> 16</u> 17	1111	7 142.€ S a n - C	11 9 50 11 3 50	1	F 240	1313	<u> </u>	1000	1040	<b></b>
ル / (で) / (で) ()			And the second s	18	1/1/	- 42.0	1 = UO			13.3	1.	+0//	257	<b>!</b>
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		- PARTE / FRANCE -	/ section - sea-continuous and section ( ) and	1	i –			<u> </u>		İ	1		1	
		- Process access - Annual Confession	·	†	i –	i		1			† – –			
	Dron	to 12'	w level	İ	Ì	12.	)	1	1	1930	<b>†</b>	·		
	Star	low leve	el test	11	10	**************	265	575	5010		1-0	-000	+.010	1
·····		VIII.	· level test	12			275			1918		Fait		+011
73	_001	DUBU I		T3	19.	112	1.575	1-070	1 005	919		-300	1:005	1016
ر:		15 / 45/19 Anne George Springer (Springer (Springer)	egypoon - an transfer for the constant of the	14	1/2.7	7/12.	01:10	1280	4.000	930		+011	Foil	1005
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and the second second	Tech	2,27	7:22		1	ĺ					I	1		
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28.

	No can set Employment Comment to Contents	<del> </del>	*****	** 1-4 1-	<u> </u>		C - C			i sa <b>ra</b>	[	- 1 <sub>m</sub>
petro II	18. TANK TO TEST  # D C	۸.		m <u>/ 2</u>	OSO -		most accusass	.u. //9	07	_ O 500	k Manufecture's Johny Engineerin Hasinplied with	p Date
す	17. FILL-UP FOR TEST Such Water Bonom before Fill-up				*	46/48/	le van	·igry	FUEL	Loge G	i » Scores	Total Gallona on Reading
	FIE UP STICE BEFORE AND AFTER EACH COMP		Sallong 1 PROF OI	ENCH M	iTERIO DELIV	ERY QUANTIT	•	, , , , , , , , , , , , , , , , , , ,	WAT TOP			-62
	Tank Discretion 9/6						ul tank (up to				······································	
	18. SPECIAL CONDITIONS AND PROCEDURE Communication application Chair before and reco	ed process	ture un log (i	28).	OBS A Corr.	API G	ravity	5.2 <b>T</b> e 39.3		ý QZ s	OR RECOVERY	SYSTEM
	19, TANK MEASUREMENTS FOR TSTY ASSEMBLY Diction of lank to Grade*  And 30" for 4" L  Add 24" for 3" L or sir seel		46	14 To	TEMPERATURES IN The Inner 1 I I The Inner 1 I I I I I I I I I I I I I I I I I I	Coloniff	FACTOR (a) T	10 TEST TH	IS TANK F4-up Produ	on Noce	1 September Dur	ngst + m }
	Total Tubing to examine Actionists	j.	<u>リー・</u> つー・ ひー・	24.	12tal quantiti full tenk (16	555 7 th or 17)	invo	103457 thiciant of aug thiciant groduct 32/		. <u> (2/</u>	16300	95 garlona 042 371/4 kg
	"If fat pipe extends above grade, the top of tilk			]	· · · · · · · · · · · · · · · · · · ·	nge per 19 (24		te per "F in to ge (23)	· #	Valume s Compute	hange per digit lo 4 decimal pi	ACBE Sector (8)
	tog at lest pricioures			HESTATIC HESCHAL INTROL	31.	error in metalogische metalogis		34.	na printer Statistics		38. MET VOLUME CHANGES EACH MEDING	19. ACCUMINATED
n	28.  Teorid dessils of setting 49 and surpling test. (1) s full length of line if needs 8.)	29.		in Lored  cobse  invalia  unab  fullmas		-cl as (salas Altan Proteins	Product Replaced (**) Product Product Passervel (*)	35. Thermal Sensor Reading	JS. Drops Hybra • Island – ici	37. Competation (c) = (e) = Farezzon 4 Competion =	Femporatura Bajustiment Structura Micros Economist (-) in Contractors (-) 	is the times record face lad before one if the times concerns things yet most (1) If arthress
<u>₩3</u>	Arrive test Incation											
٠,	Pump primed & running	<u> </u>										
	1st Sensor Reading Start Hi level test	1	1412	42.0 42.0	52/2		Loro	230	1:6	- 101	-121	
		3	<u> </u>	42.0	1		1050	240	<u> </u>	1- 05E.	- 107 - 034	
* .		1 <u>u</u> 15 15	7	42.0		ラテク	146	643	÷ 7	1-017 1-075	1050 1070 1070	
15		17	12	-2.0	1 :		-07/5		-3		7970	
												, i i i i i i i i i i i i i i i i i i i
	Drop to 12" low level	1	17.7	. 2. 0				200				
		<b>į</b> 1			300		4020			+017		+ 020
4'5		7	シン	. 7 B	1 - 4 (							
45 105	Continued low level test	12	ii5 (	52.0	250	1, 500	+216	255	41	4017	F.007	+013
45 105 115 115	Continued low level test		15(	12.0	,35° ,3'50	1775	+ 016 + 016	255 254	17	4.033	1.007 1.019	+013 -,016
845 105 145 145	Continued low level test		15(	12.0	250	1775	+ 016 + 016	255 254	17	4017	F.007	+013 -,016
45 105 115 115	Continued low level test		15(	12.0	,35° ,3'50	1775	+ 016 + 016	255 254	17	4.033	1.007 1.019	+013 -,016
415	Continued low level test	2   5	15(	12.0	,35° ,3'50	1775	+ 016 + 016	255 254	17	4.033	1.007 1.019	+013 -,016

# petro rite

PLEASE PHINT

1. OV. CR Picceny 🔯	andREW	JERGENS	<u>Co</u> :		Register		Talaphone
· Tank(a) 【【	99 ω. Ver	duge NE. B	UR Bank	<u>C.G.</u>	71502	**************************************	**************************************
2. OPERATOR	Same						Tsiaphone
3. REASON FOR TEST (Explain Fully)	Yearly	Mandated	T&S \				
4. WHO REQUESTED	QL Ha	19	Title		Company of A	lidiation	Date
TEST AND WHEN			Address				Telephone
5. WHO IS P'YING FOR THIS TEST?	Campany, Agency as Ind	: प्रतिस <b>त्त</b>	Person Autho	ostzin <b>g</b>	u udding vin g	Title	Yelephonu
, , , , , , , , , , , , , , , , , , , ,	Billing Address			CitA		State	Zip
And the second s	Assentian et:		Order		Other Instruction		
6. TANK(S) HIVOLVED	Identify by Direction	Capacity /2000	Brand/Suppl	Grade  Fiel	0,4	Approx. Age	Steel/fibergless STEE
·			**************************************				
*				-			
T ALLEMANT AND A CLITTAL	inside Fiest	Caver	Fills	" Vents	. *	Siphones	Remote
7. INSTALLATION DATA	Gate Ties	concrete	4	<b>)</b> 3"		NOUE	Red Jacke
	Nonh inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Fitefill m tubes, Rema		enitorided	Which tanks?	Suction, Remote, Make if Incan
United Building Control of the Contr	Depth to the Water ta	ble 20'+	econgression of the second second second second second second second second second second second second second	#F		ts the water over	The tank?
g. FUL UP		00 hr. 7-23-1		anged by	hai Mh Lead	মঞ্চ	<b>ើ</b> ខ <sup>©</sup> ខែΩ?÷Ωπ <b>÷</b>
ARRANGEMENTS			11074 8110 4110 40 1	PIUTIUM	7 * 4,5 * 4, 10 10 34 ;		2
	Terminal or other con for notice or inquiry	tact Comi	E#BY		FEE	m s	Telephons
10, 11 .RAC '98,	1	INEERING, I	NC.				A AND AND AND AND AND AND AND AND AND AN
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		10941 d. CA 9338	0 0041		0-d	***************************************	\$
ili (ca n) ⊃ <b>of</b> Pad	bakershei	QCA2336	7				
11.		•	<i>p</i>				
and the second	4			or of the state of	This think the section of the sectio	and the sale of th	
	Additional information during test etc.	n on any items above.	Officials or others	to be advised when te	spod ir ių biodi	ess or completed \	fishars or observers pre-
** 3	Tests were made o	n the above tank sys as detailed on attach	t <mark>ems i</mark> n accorda- n <b>ed test</b> charts w	nce with test proced with results as lollow	ures prescribe rs:	d for pelro pil	
<b>1</b>	Tank Identification	Tight		Leakage Indicated		Dat	a Trstod
	#1	*	yes it	: 006	*	7.	23-87
				***************************************			s,
				9			
		}			- anneanant grant gr		
` <b>*</b>	This is to certify the	at these tank systems rotection Asociation	s were tested on Pamphlet 329.	the date(s) shown. T	hose indicated	as "Tight" meet	the criteria established
4.5	Mic Manual File		*				11 5
		MCCLURE	EST	I ENGINEER  1. Box 1094			Mollen

26.

	12 (INCKEN ICEU	2017					<u> بريم</u>	=139771		· · · · · ·			
Petro Tite	Freh ail	He le 1	hara doubt :	17 -12:	200°		most securing		aria-aria wasa-matani	//		Chart 6 Deus	
ま	17. FILL-UP FOR TEST	<u> </u>	Section 10	ETERMINI	IS TANK CAP	AGIT			St Fee	Down		Total Gallons	
	Elick Water Bottom 2 " before Fill-up to 16 th.	- 6	iaffore	<del></del>			in was		FUEL WAT		62	1/907	<b>,</b>
	FIS UPLETICE REFORE AND AFTER EACH COMP.  Tank Dismotor 96	ARTMIN	T DAOP OI	R EACH M	ETER <b>LO</b> DELLY		ius tank (up to	fill pipe)	TOP	OFF_		11853	· 
	18. SPECIAL CONDITIONS AND PROCEDURE	S TO T	EST THIS	TANK	OBS A	PI Gr	avity ゔ	52Te	mp.2	14 0 VAPO	A RECOVERY	SYSTEM	
	Swe manual sections applicable. Clock below and reco	ed present	use in log ()	He).	Corr.		ravity	34.		D:	-		
	19. TANK MEASUREMENTS FOR TSTT ASSEMBLY Blocom of lank to Gradus	· /;	46	14 10	day Harmer's I 1	Coider711		O TEST TH	IS TANK	18/29 78/29		sqe ( + ** )	
	Add 30" for 6" L  Add 24" for 3" L or air seal  Total tubing to essemble Apparesimate		<u> </u>	' <b>1</b>			repected change	0-04	•		<b>T</b>		
	20. EXTENSION HOSE SETTING "and top to grade"	5	0,		1185 lotal quantit full tank (18	or 17)	iuAp	0754 Tectors at exp tred product	PD economical economical	per F		95,000	
	better tank top		<u> </u>	25.	5.39	<u>2839</u>		is per Tin is	et	Valume ti	Rep hed source	i e pd	
26.	1)) Fill pipe estende slove grade, use top of till.	<del> </del>	,,,	MOSTATIC MOSTATIC MESSURE MESS	J1 ,	arra il mi Com mercan	is (n)	34. r	OFFICE CO	entem	38. HIT VOSHILLE CHANGES EACH REXDING		1016
27. MR	78.  Pecuid details of setting up and canney test. (Us full tengts of land direct.)	29. tasker		pe lovel echen lavelse when		errina fresta trans	Product Replaced (~)	35. Yks:mad Sexam Resting	35. Carps tive -	37. Competitions (t) = (e) = Experience =	Temperature Adjustment Volume Mirug Espansion ( e ) in	At Englishme record Facilities Contentions for Lond computer I to -go you have	
		<u> </u>	Andre	Rastwad	Arning	Tredom	Pacement (+)				Correction ( ) +23(V) +21(1)	Will brown	
///00	Arrive fest location												- And Andrews
000	Pump primed & running												
0900	1st Sensor Reading	<u> </u>		42.0	1100	<u> </u>	<u> </u>	360					
29:5	Start Hi level test Continued Hi level test	1 2	4a.C	42.0	120	420	+000	360	- 3  - 3	+ 034	7034 7034		
		3	42 ()	42.0	420	420	7.000	366		1	.034		
09451		4								1,007			
1015			42.0	42.0	,420	420	1,000	373	-, 3	4,000	050		
1030	l .						1.000	372	!· <u>~</u>	و: - با	-050		
1045		7   8	42,1	42.0	,420		1005				:045		1
1100		10	42.1	12.0	.425	435	1.010	365		<u> </u>	7040		water specific
								enangeren (n.)					*
1100	Drop to 12" low level			12.0				33:	to the contrast consequen	\$		Marie Canada	
1115	Start low level test	11_			.200		4.190				+090		!
	Continued low level test	12_			340		+.070					2020	1
1145		3			410		+065 +055	375				+018	1
1300		14				520	1.055	40			-, 0/2	Committee to committee	į
كالأر		Ť	<del>                                     </del>	† · · · · ·	<del>                                     </del>	1203	1	-	The region of the transmission of the transmis	1	,	<u> </u>	1
	Γ-S SER# //4/	<b>†</b>	<b>i</b>		İ	1	11	<b></b>		THE CONTRACTOR OF THE CONTRACT		**************************************	
l	Tech Fied Succline								on with the MANNY / THREE EX.	90.700 W.COM			
	TER# 414811421		]					<u> </u>	1	1			
	*• *** *** *** *** *** *** *** *** ***												

# Uata Chart for Tank Lysrem Tigntness Test petro Tile

PARASE PRINT TERRENS 1. OWNER PIO MY X Telaphone Tairt(\*) Telephone Representative Same 2. OPERATOR Addiess Talaphone 十三十 3. REASON FUR TEST (Explain Fully) Haig 4. WHO REOL ISTED Company of Affiliation Date TEST AND WHEN A C C : 418 Te'aphone 5. WHO IS PAYING Company, Agency of Individual Ferson Authorizing Titin Telephone FOR THIS EST? Zip Belling Address CH Other Instructions Attention of: Oidel No. Identify by Direction Approx. Age Steel/Fiberglass Capacity Brand/Supplier Grade #3 outsicle 7 fueL oil 12000 6. TANK(S) INVOLVED Pumps Cover Vents Siphones Location Correla .6'626 7. INSTALLATION DATA Suction, Compte Make it and an North inside driveway. Concrete, 81sck Top. Rear of station, etc. Eanh etc. it es. Remote fills Is the water over the tank? UNDERGR UND Depth to the Water table WATER Caro Tanks to be filled 10 br. 4-31-8 9. FILL-UP Extra product to "top off" and run TSTT. Consider NO Lead. ARRANGEMENTS ニ・ドットソン Terminal or other contact for notice or inquiry\_\_ Teres 105# Company Name ESTI ENGINEERING, INC. 10. CONTRACTOR. P. O. Box 10941 MECHANICS. any other contractor Bakersfield, CA 93389-11. OTHER INFORMATION OR REMARKS Additional information on any items above. edvised when testing is in progress or completed. Visitors or above during test etc. Tests were made on the above tank systth lest procedures prescribed for policy tile es detailed on attache .sults as follows: 12. TEST FE ULTS age Indicated Tank Identification Tight Date Tested . (. date(s) shown. Those indicated as "Tight" meet the criteria established This is to certify that these tank systems we 13. CERTIFICATION the National Fire Protection Association P GINEERING, INC. Testing Contactor or Company

ox 10941 Bakersfield, CA

93389-0941

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	# Jaskids tonk	H 00		130	10 TANE CAP		most stilwess widg than eved	//90	27	- 8 ::	om Charl Mondottoar's Spring Engineering of 12 Supplied with M	g Date
	17. FILE-UP FOR TEST  Stick Water Bottom Letters FIR-UP LO W. BL.  FIR NO. STICK BLIGHT AND AFTER EACH COM-	C	isflore	*****			307***	itory	FUEL WATE			Total Goldens in Andrig  1/95
	Tank Dismotor				210112		ud tunk (up ke	_	TOP	OF <b>F</b>		11817
				(~~	Corr.			,		f*****		
	Were in Lands : High water let	Ne ar tana	**C#v#lica	• 🔲	Line(a) being to	eled with LVL	" j	4, 6	XIANT 2	<b>O</b> s	lege B	
	19. TANK MIASUREMENTS FOR TSTT ASSEMBLY Evolution of Link to Grade*  Add 30" for 4" ft.  Add 24" for 3" ft or all seed	11	/	21.	TEXPERATU TEXPERATU May Wayner Fill Thermat Sen	REPUDLUME Coder?   1	FACTOR (a) 1  Frooted in their circulation	Test TH	ld up Ploduc r 2	1 on Yiuca	F Espence Ou	roul + or }
	19. TANK MELSUREMENTS FOR TSIT ASSEMBLY Concern of Link to Grade*	11		21.	TEMPERATU TEMPERATU Dig Yalmer Fill Thermat Sen	REVOLUME Coose781 reor reading a to range of a	FACTOR (a) 1  F Product in their circulation is appected change in the control	1851 THI 1862 I I I I I I I I I I I I I I I I I I I	ra un Product	on Fructa	F Superied Du  O 4  VV 9 V9  Name on this to	39 gations
	19. TANK MELSUREMENTS FOR TSTT ASSEMBLY Evolume of Link to Grade  And 30 Too 4" E.  And 24" for at E or all small  Total tobar 2 to expendic Approximate  20. EXTENSION HOSE SETTING Total top 30 profes	11	S	21.	TEXAPERATU TEXAPERATU TO STATE THE STATE TO STATE THE STATE TO STATE THE STA	REVOLUME Coose781 reor reading a to range of a	FACTOR (a) 1  FACTOR (a) 1  Froduct in their circulation (apercial change	1851 THI 185	7 2	on Truca	F figence Du	gallions This as
······································	19. TANK MELSUREMENTS FOR TSTT ASSEMBLY Evolume of Link to Grade <sup>®</sup> And 30° for 4° E. And 30° for 4° E	11	30. A15	21. 16.10 22. 23. 24.	TEVAPERATU TEVAPERATU Thermal Ser Digits peer of Total quantit full tent (18	REPUBLUME Coosers to account to the coosers to account to the cooking of the cooking of the cooking to the cook	FACTOR (a) 1  FACTOR (a) 1  Froduct in their circulation approised change (a) 1  Froduct in their circulation (b) 1  Froduct in their circulation (a) 1  Froduct in their circ	10 IEST THE TARK IF I AND THE TARK IF I AND THE TARK I AND THE TAR	7 2	1 on Truca	F fayened Cluid	gallone gallone  This is feel feel factor (

76.	tee of that the desirate		7.8	rostatic Elsune Elsune	J1. r:	nuce en e	nini L	34. n	त्य प्रथममा स्टाराह्य	ілпа <b>н</b> 1 ш. ,017/	38. HEE VOLUME EMARCER EACH READINE	39. ACCUMINATED CHANGE
27. s.et	28. Record details of setting spaced by and or planting spaced by and or planting that the state of the state	29. Tuning		pa Lored octors	32. Post.		Fished Replaced (=)	35. The mel	36. Diego Hjugo	37. Exceptations (c) * (s) *	Exceptions Algestment Mayne Wilnes	At high favor records Total had beforecass If they favor torquest
7	h [adhedensed]		Regions Markey	familie what familied	Prime Priling	Africa Yead mag	Product Pacomosé (#)	Seese Feelen	Lawar (A)	Exercises of	[1247400 [1] 10 **Lemistem ( ) # 33(4) # 31(1)	Elongs you throat 150 70 to Long
7.5.7	Arrive test location											······································
275.	Pump primed & running										***************************************	
Ti + 1	1st Sensor Readina			42.0		•		573				
13.55	Start Hillevel tost			property or a constraint to the contract of	550		-070	7	T	+000	070	nanci <del>lla de la comunicación de la comu</del> nicación de la comunicación de
	Continued Hi level test	***********	and the second s	Commence of the last of the la	410	1	1060	574	Ţ- <del></del>	4,034	-094	
2.4.4.			411.2	<del></del>		(400)	1.050	576	-2	-,034	-,034	
4 / 3			111.2	The Person Name of Street, or other Persons or other Pers		#1911 <del>                                    </del>	1050	573	-2	+034	-080	
1000		5	111.3	42.0	ر - ح را	1220	1030	583	+4	1063	098	
152.7		6	141, 3	42.0	1. 33.2	1595	1.030	1586	=4	10/2	1.098	
2	-				122)		1.030	589	<del>-3</del>	1.051	1.031	
11 2		8	14.3	H2.0	1:10	1230	1.030	792	+3	1051	1081	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		<u> </u>	<u> </u>	-								*
	2" low level			12.0	<u> </u>			592				
7,	enert and level test	1	13.1	12.0	130	200	4070	594	1-5	+034	+,036	
	Traile - Llow level test	12	126	h 2.0	500	335	:035	1596	42	+ 034	1001	4001
10 = 3		3	1125	12.0	1,535	265	1030	598	+2	4034	t.∞u	-003
1	Authorities and the second sec	14	112.5	112.0	1,265	1,295	+030	600	+2	+034	-:004	7007
11:		5	12.3	12.0	1.395		+ 025	-	+3	+ 034	1	1016
12.			<u>l</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
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1	2.1/101	Ī	1	**************************************	1	1		T				
l	FRE XIIIX	and an arrangement of the second			······································		<del></del>	***************************************	and the second second	······································		1

### APPENDIX 3

SITE DRAWINGS

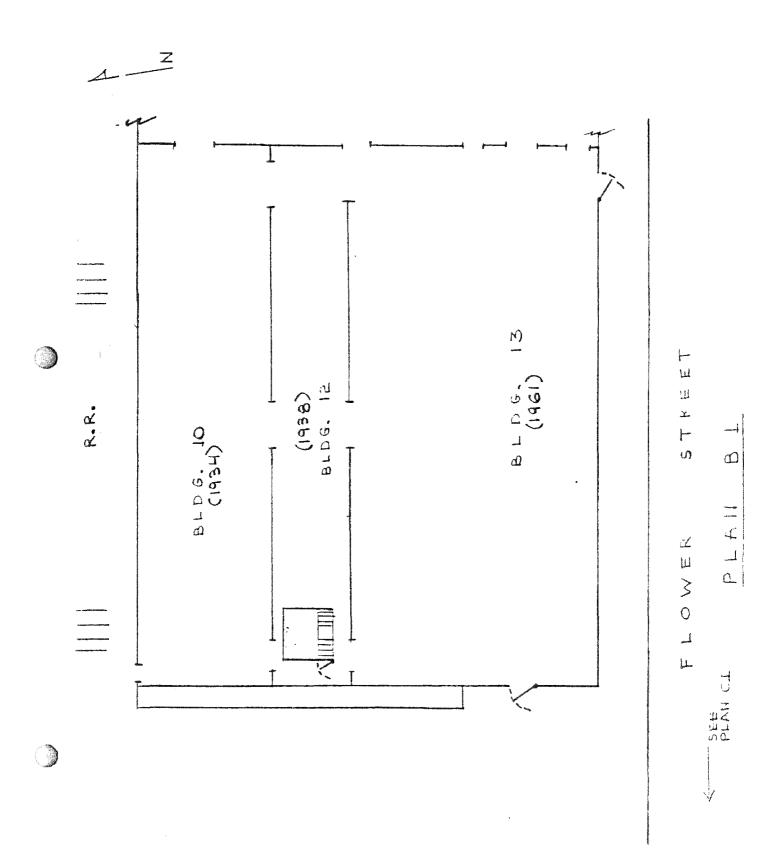
ANDREW JERGENS co. RURBANK

SITE

PLAN A-1

## ANDREW JERGENS CO. - BURBANK

### SITE PLAN B-1



O PROPOSED WELL (PW)

PLAN CI

ANDREW JERGENS CO. - BURBANK
SITE PLAN C-1

### APPENDIX 4

WASTE WATER TEST RESULTS

ENSOTECH, INC. 7949 AJAY DRIVE SUN VALLEY, CA 91352 (818) 767-2222

Date San	mpled: _	6/13/89		Date Ana	lyzed:	6/16/89	
Date Sul	omitted:	6/14/89		Lab No.	E-093	Ref No.	
CLIENT:	99 W. Ve	rew Jergens erdugo Ave. , CA 91502	Company				
SAMPLE:	24 hour	wastewater	composite	(Quarterly	sample)		
INVESTI	GATION:						
FLOW (To	stal):	88,078	ga	ls/day			

#### RESULTS

PARAMETER (a)	AMOUNT	UNIT
Aluminum-total		mg/L
Ammonia-N		mg/L
Antimony-lotal		mg/L
Arsenic-total		mg/L
BOD	121	mg/L
Baron-total		mg/L
Cadmium-total		me/L
Chlorides	153	mg/t
Chlorinated Hydrocarbons		mg/L
Chromium-total		mg/L
Chromium-hexavalent		mg/L
<b>ω</b> 0	220	mg/L
Copper-total		mg/t
Cyanide-total		mg/L
Cyanide-free		me/L
Fluoride		meri
Iron-lotal		mg/L
Lead-(ofai		mg/L
Mercury-total		mg/L
Nickel-lotal		mg/t
Norate		me/L
Oil & Grease (liquid-liquid extract)	34	me/L

TRUOMA	UNIT	-
	mg/L	
7.5	บกส์ร	
	mg/L	
	mg/L	
	pC1/L	
	pCi/L	
	mg/L	
	mg/L	
	mg/L	
	umhos	
176	mg/L	
	mg/L	
0.4	mg/t	
86	mg/L	
	deg F	
	merl	
660	mg/L	
	mg/L	
	mg/L	
	17.5 17.6 0.4 86	mg/L 7.5 unds mg/L mg/L pCVL pCVL pCVL mg/L mg/L umbos 176 mg/L mg/L mg/L deg f mg/L mg/L deg f

Bel Mayy

Bob Moezzi Lab Supervisor taiaster poestari

EMSOTECH, INC. 7949 AJAY DRIVE SUN VALLEY, CA 91352 (818) 767-2222

Date Sa	impled:	9/19/89	Date Anal	yzed:	9/22/89				
Date Su	ibmitted:	9/20/89	Lab No. F-880		Ref I	No.			
CHIENT:	CEIENT: The Andrew Jergens Company 99 W. Verdugo Ave. Burbank, Ca. 91502								
SAMPLE:	SMMPLE: 24 hour wastewater composite (Quarterly sample)								
INVESTIGATION:									
FIOW (1	Potal):	87,118 g	als/day						

#### RESULTS

PARAMETER (s)	TRUOMA	UNIT
Aluminuri total		mg/L
Ammonis N		mg/l
Antimons total		mg/L
Arsenic-1 ita'		mg/L
800	124	ጠ፪/ኒ
Baron to(4)		mg/L
Cadmirus (otal		mg/L
Chlorides	248	mg/L
Chigrina id Hydrocarbons		mg/L
Chromius I total		mg/L
Chromium hexavalent		mg/L
CO 0	225	mg/L
Copper (c)a:		mg/L
Cyanide tatal		me/L
Cyanide i ee		mg/L
fluoride	İ	mg/L
Iron-teta:		mg/t
Lead lot#		mg/L
Mercury otal		me/L
Nickel telal		mg/L
Mittate		mg/L
Oil & Gi-ise figued kould extract)	101	mg/L

PARAMETER (a)	AMOUNT	UNIT	
Peshoides total		mg/L	
рН	6.9	unds	
Phenois-total		mg/L	
Phosphate		mg/L	
Radioactivity gross alpha		pCi/L	
Radioactivity gross beta		pCi/t	
Selenium total		mg/L	
Silver-lotal		mg/L	***************************************
Sodium		mg/L	
Specific Conductivity		umhas	
Sulfate	221	mg/L	
Sulfide		mg/t	
Surfactants (MBAS)		mg/L	
SS (suspended solids)	134	mg/L	
Temperature		deg f	
Triansum-total		mg/L	
TDS flotal dissolved solids:	554	mg/L	
ITO flotal fosic argenics)		mg/L	
Zinc total		mg/L	
		_	
		-	***

By Well

Bob Moezzi Lab Supervisor

Analyst

ENSOTECH, INC. 7949 AJAY DRIVE SUN VALLEY, CA 91352 (818) 767-2222

Date Sampled: 12-13-89	Date Analyzed: _	12-22-89
Date Submitted: 12-14-89	Lab No. G-695	_ Ref No
CLIENT: The Andrew Jergens Company 99 W. Verdugo Ave., Burbank, CA. 91502		
SAMPLE: 24 hour wastewater composite (Qua	rterly sample)	
INVESTIGATION:		

#### RESULTS

PARAMETER (#)	AMDUNT	TINU	
Aluminum-total		mg/L	
Ammonia-N		mg/L	
Antimony-total		mg/L	
Arsenic-total		mg/L	
800	524	mg/L	
Boron total		mg/L	
Cadmium-total		mg/L	
Chlorides	235	mg/L	
Chlorinated Hydrocarbons		mg/L	
Chromium-total		mg/L	
Chromium nexavalent		mg/L	
cop	920	mg/L	
Copper total		mg/L	
Cranide-total	1	mg/L	
Cyanide free		mg/L	
Fluoride		mg/L	
iron total		mg/L	
Lead (chai		mg/L	
Mercury-total		mg/L	
Nicke-total		mg/L	
Mirate		mg/L	
O: & Grease fliquid liquid extract:	110	mg (	

FLOW (Total): \_\_\_\_\_ gals/day

PARAMETER (*)	AMOURT	UNIT	
Pestroides-total		me/L	
pH	6.7	unds	
Phenois-total		mg/L	
Phosphate		mg/L	
Radioactivity-gross aipha		pCı/L	
Radioactivity gross bela		oCi/L	
Selenium-total		mg/L	
Siver-total		mg/L	,
Sodium		mg/L	
Specific Conductivity		umhas	
Suitne	225	mg/L	
Suttide		mg/L	
Surfactants (MBAS)	0.3	mg/L	
SS (suspended solids)	38	mg/L	
Temperature		deg F	
Titanium total		mg/L	
FDS ftotal dissolved solios;	726	mg/L	
ITO (total toxic organics)		mg/L	
Zinc-total		mg/t	

Bob Moezzi Lab Supervisor Sit (am/s)
Analyst

ENSOTECH, INC.
7949 AJAY DRIVE
SUN VALLEY, CA 91352
(318) 767-2222

Date	Sampled: 3-20-90	Date Analyzed:	Control of the Contro
Cate	Submitted: 3-21-90	Lab No. H-891	Ref No.

CCLIENT: The Andrew Jergens Company 99 W. Verdugo Ave.,

Burbank, CA 91502

SAMPLE: 24 hour wastewater composite (Quarterly)

INVESTIGATION:

FLOW (Total): \_\_\_\_\_ gals/day

#### RESULTS

PARAMETER (»)	AMOUNT	UNIT
Alumanam-total		mg/L
Ammersa-N		mg/L
Antimony total		mg/L
Arsen: -total		mg/L
800	488	mg/L
Saron atsi		mq/L
Cadm sim-total		mg/L
Chloreces	220	mg/L
Chlorifated Hydrocarbons		mg/L
Chronium total		ang/L
Chroni um hexavalent		me/L
CO 0	650	mg/L
Copper total		my/L ·
Cyanice total		mg/L
Cyanide hee		mg/L
Flygnie		mg/L
fron tolal		mg/L
Lead Maj		mg/L
Mercu y total		m/L
Nicke- total		mg/L
Mirate		mg/L
Ori & Greate Biguid kguid extract)	54	mg/L

PARAMETER (a)	AMOUNT	_ บพก
Pesticides-lotal		mg/L
pH	8.1	unds
Phenois total		mg/L
Phosphale		mg/L
Radioactivity gross alpha		pCi/L
Radioactivity-gross beta		pCi/L
Selenium-total		mg/L
Siver-latel		mg/L
Sodium -		mg/L
Specific Conductivity		uinhes
Sultate	236	mg/L
Sulfige		mg (L
Surfactants (MBAS)		mg/L
SS (suspended solids)	252	mg L
lemperature .		deg f
Titanium total		mg/L
TDS (total dissolved solids)	616	mg/L
ITO (total touc organics)		mg/L
Zinc total		mg. L

Bop Warde

Bob Moezzi
Lab Supervisor

Sulants

## ENSOTECH INC.

#### ANALYTICAL REPOR

1525 SEPULVEDA BOULEVARD
OS ANGELES, CALIFORNIA 90025
Phone: (213) 479-6630

Date Sampled	3/23/77	Date Analyzed
Date Submitted .	3/24/77	Lab. No. 4-914 Ref. No.
CLIENT:		Andrew Jergens 99 West Verdugo Avenue Burbank, California 91502

SAMPLE:

Wastewater

INVESTIGATION:

Chemical Analysis

#### RESULTS

Α	Flow (Total)		34,416	gals/day	V	Manganese - Total			mg/l
В	Flow (Paak)		55	gals/min.	W	Mercury - Total		0.00005	mg/l
C	COD		1430	mg/i	X	Molybdenum - Total			mg/l
٥	SS (Suspended Solids)		298	mg/l	Y	Nickel - Total	ND	< 0.1	mg/l
E	рН		10.0	Units	Z	Selenium - Total	ND	<0.01	mg/l
F	Total Dissolved Solids		780	mg/l	AA	Silver - Total	ND	< 0.1	mg/l
G	Ammonia (N)			mq/l	88	Sodium - Total			mg/l
Н	Sulfide			mg/l	CC	Thallium - Total			mg/l
1	Cyanide	ND	₹ 0.01	mg/l	00	Tin - Total	MD	0.01	m <b>g/l</b>
J	Fluoride	ND		mg/l	EE	Titanium - Total			m <b>g/i</b>
K	Aluminum - Total			mg/l	FF	Zinc - Total		0.456	mg/l
L	Antimony - Total			mg/l	GG	Oil & Grease (Mexane Extract)		13.2	mg/l
M	Arsenic - Total	liD	< 0.001	mg/l	нн	Phenois		1.2	mg/l
N	Beryllium - Total			mg/l	11	Surfactants (MBAS)			mg/I
0	Boron - Total			mg/l	lt	Chlorinated			
P	Cadmium - Total	ND	< 0.1	mg/l		Hydrocarbons [except pesticides]		0.0025	mg/l
a	Chromium - Total		0.238	mg/l	KK	Pesticides (Chlor. Hycarb.)			mg/l
R	Cobalt · Total			mg/l	LL	Radioactivity Alpha, Be-	.)		pCi/I
S	Copper - Total		0.096	mg/i	MM	Temperature		71 Oes	rees <sup>O</sup> F
T	Iron - Total			mg/l	NN	Calor			Units
U	Lead - Total	סא	K 0.1	mg/l	00	Thiosulfate (S)	· ·		mg/i
***************************************	Hexavalent Ch	ron	ium ND	)					
	BOD 1		475	mg/1	11	Specific			
	Sulfate	ł	20			Conductivity		į	umhos
	Chloride		118.8	mg/1		/	•	\$	)

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